The Dissertation Committee for Young-Hwan Yeo certifies that this is the approved version of the following dissertation:

GRAY SKY II for Brass Quintet and Tape

Committee:

Russell Pinkston, Supervisor

Kevin Puts

Leonard Johnson

Timothy Lovelace

Andee Scott

GRAY SKY II for Brass Quintet and Tape

by

Young-Hwan Yeo, B.M.; M.M.

Dissertation

Presented to the Faculty of the Graduate School of

The University of Texas at Austin

in Partial Fulfillment

of the Requirements

for the Degree of

Doctor of Musical Arts

The University of Texas at Austin

December, 2003

Dedicated to my beloved mother

Acknowledgements

GRAY SKY II for Brass Quintet and Tape would not have been possible without the help of Dr. Russell Pinkston, who provided me with much advice. The Committee has given valuable guidance and critical commentary for this dissertation. I am very grateful for the support of the following committee members: Dr Russell Pinkston, Dr. Kevin Puts, Prof. Leonard Johnson, Dr. Timothy Lovelace and Prof. Andee Scott. I would also like to thank my friends, Seil Oh, John Lato, David Hainsworth, Christopher Staefe, Per Bloland, Ryan Beavers, and Stephen Wray.

GRAY SKY II for Brass Quintet and Tape

Publication No._____

Young-Hwan Yeo, D.M.A.

The University of Texas at Austin, 2003

Supervisor: Russell Pinkston

GRAY SKY II is composed for Brass Quintet and Tape in one movement. The composition is approximately fourteen minutes in duration. A primary feature of this piece is the live interaction between the acoustic brass instruments and the electronically generated accompaniment. Some of the electronic sounds were created using a program written in the Csound computer language; sampled sounds and the Kurzweil K2000 synthesizer were processed with GRM Tools using Pro Tools software. The samples of the inside strings of a piano, bells, and muted brass instruments were either recorded with a portable DAT recorder or extracted from a CD of samples.

Table of Contents

Introduction

GRAY SKY II is composed for Brass Quintet and Tape in one movement. The composition is approximately fourteen minutes in duration. A primary feature of this piece is the live interaction between the acoustic brass instruments and the electronically generated accompaniment. Some of the electronic sounds were created using a program written in the Csound computer language; sampled sounds and the Kurzweil K2000 synthesizer were processed with GRM Tools using Pro Tools software. The samples of the inside strings of a piano, bells, and muted brass instruments were either recorded with a portable DAT recorder or extracted from a CD of samples.

Formally, this composition can be divided into five sections in a large scale. The overall structure is mostly developed through my intuitive approach, and from the following abstract idea: Sometimes, people enjoy contemplation. One of the reasons for this is to temporarily escape from the monotony and rigidity of reality, and to reach fulfillment through their imagination. The impulses and true emotions reached through this contemplation are not readily unearthed in our daily lives.

The tape must be performed using an Alesis ADAT; channels 1 and 2 are needed to achieve a stereo mix, and channel 8 is needed as a beat track to indicate exact starting points and pickup beats for live performers. The complete list of equipment required for performance is one ADAT player, at least four loudspeakers, one mixer, two microphones, and five sets of headphones.

A Descriptive Analysis

The analysis portion of this dissertation describes the musical events and contents of the composition in detail according to the order of the formal structure. The entire formal structure was mostly developed through an intuitive approach inspired by the abstract idea of the fragments of our hidden emotions and inner lives gradually developing in complexity, and building to a climax the moment at which we submerge into contemplation.

The form of composition can be divided into five sections in a large scale: Section A - Section B - Section C - Section C' - Section a'+b'.

This large scale formal structure is illustrated in Example 1:

Section	**A**	**B**	**C**	**C'**	**a'+b'**
Instrumental features	Inst. only	Inst. with Tape (Transition)	Inst. with Tape	Inst. with Tape	Inst. with tape (Codetta)
Page number	1-4	5	6-10	11-21	22-23

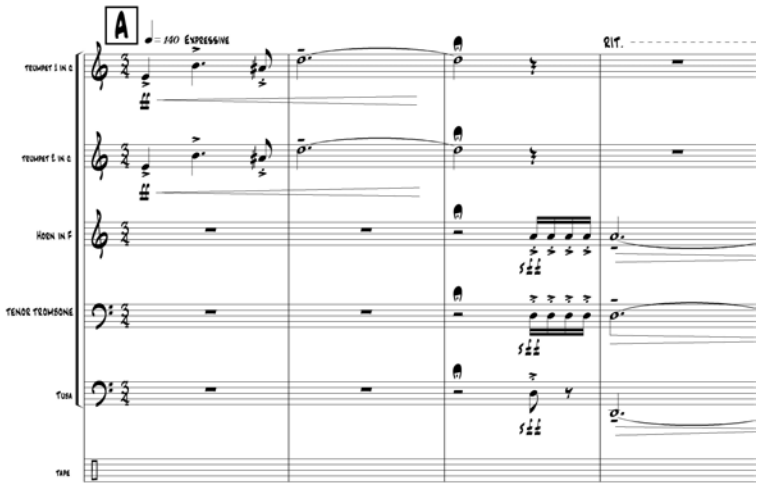
Example 1. Entire formal structure

Each of these five sections has a strong, distinct characteristic, expressing the gradual shift from regularity to a desired change. Section A consists of only acoustic

textures with no tape; Section B features the tape part interacting slightly with the live instruments, which are using aleatoric gestures.

In Section B, I used many sound samples from the brass instruments, as well as the inside strings of a piano; the reason for this was not only to create a musical continuity, but to build a timbral connection between Sections A and C. Both Sections C and C' show the live interaction between the instruments and tape more prominently than Section B. The main function of Section B, then, is to serve as a transition between Sections A and C. It also represents the transformation from reality to contemplation. The last section, a'+ b', is a codetta, which expresses the journey back to everyday life.

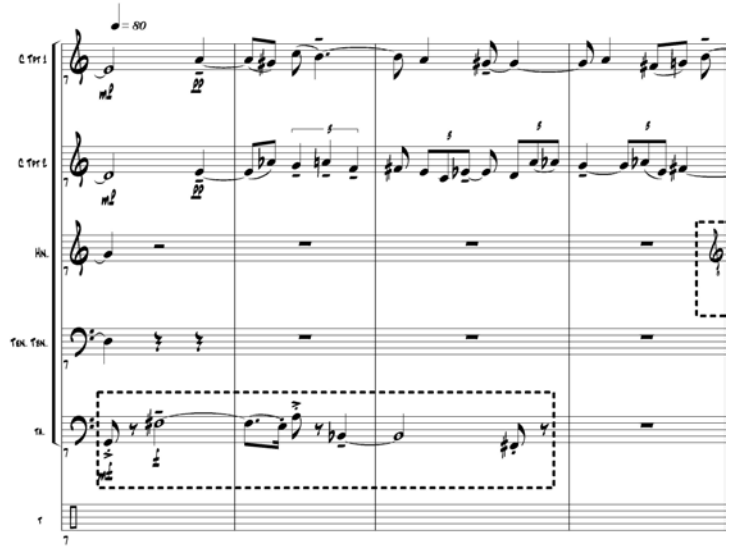
At the beginning of section A, I attempt to describe the regularity of everyday life; monotonous and mundane activities at the workplace are represented by a relatively conventional style of writing. The opening fanfare is presented by the two trumpets, horn, and trombone in mm. 1-4 (Example 2).



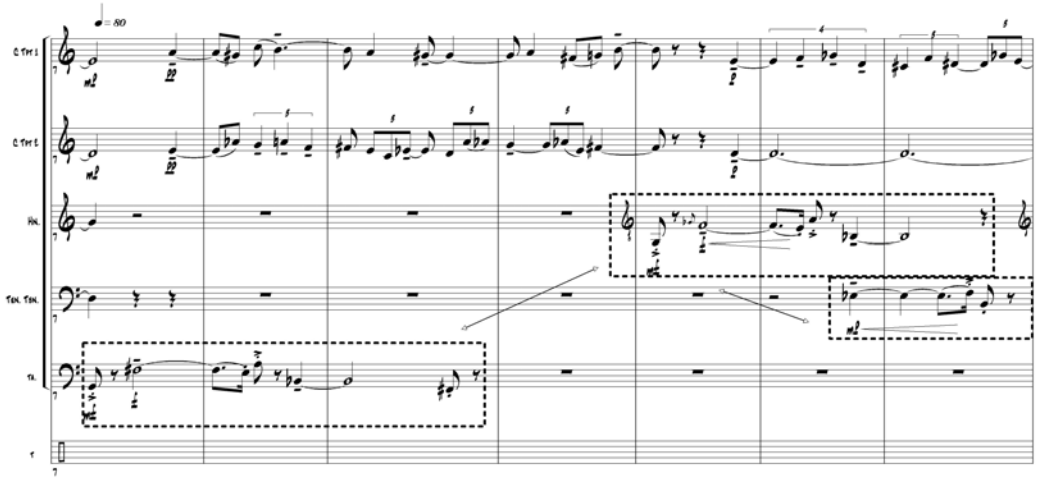
Example 2. Opening fanfare

The principal theme, expressing the regularity of daily life, is given in mm. 7 to 9 by the tuba. It is often transposed, transformed, minimized, expanded and gradually moved to other voices by contrapuntal means (Examples 3, 4, and 5).

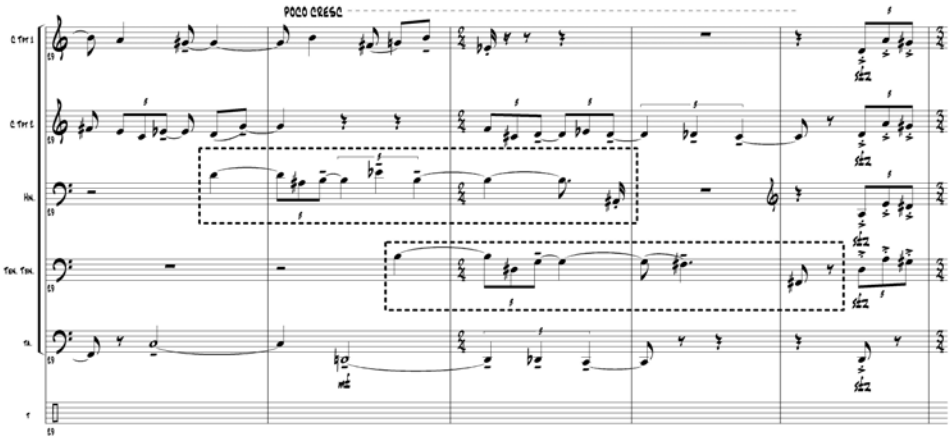
The principal theme consists of a long phrase containing the melodic intervals major 7th, major second, and perfect 4th.



Example 3. The principal theme of Section A (mm. 7-9)

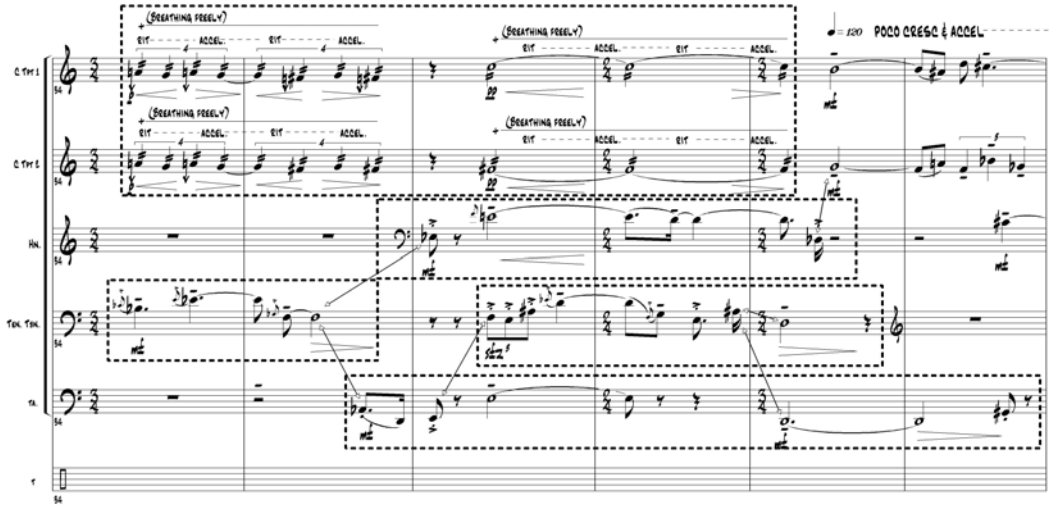


Example 4. Contrapuntal features (mm. 7-13)



Example 5. Transformed melodies from the principal theme (mm. 29-33)

A climax occurs at the end of Section A from mm. 34, consisting of transformed melodies derived from the principal theme, which are presented contrapuntally, and accompanied by interesting timbres created by the two muted trumpets. This leads into the transition, Section B. The most interesting feature in mm. 36-46 is the melodic links between instrumental voices. Not only can these transformed melodies be linked with the thematic materials in other voices from the beginning of the piece, but they also create contrapuntal gestures at this point. The sound from the two muted trumpets in mm. 36-39 supports the sounds of the transformed melodies from the principal theme with an interesting color, obtained through the use of microtones and flutter tonguings. The tempo of Section A begins to increase from the second beat of m. 40, accelerating into cacophonous rhythms in m. 43, just before the beginning of Section B.



Example 6. Beginning of Climax in Section A (mm. 34-39)

In the one transitional section of this piece, Section B, I express the features of a complete about-face from reality to the fragments of our suppressed thoughts through the use of electronic sound. The standard musical development of the acoustic instruments is connected with the new electronic sounds, leading to the "hidden emotions" of Sections C and C'.

Section B begins with three high-pitched metallic sounds, which very gradually change timbres and pitches. First of all, although the instruments play aleatoric materials, the duration is fixed by the tape. After the pickup beats, at approximately 1'55", the brass instruments enter with aleatoric gestures; this continues for one minute until the beginning of Section C. The total duration of Section B is 2'55".

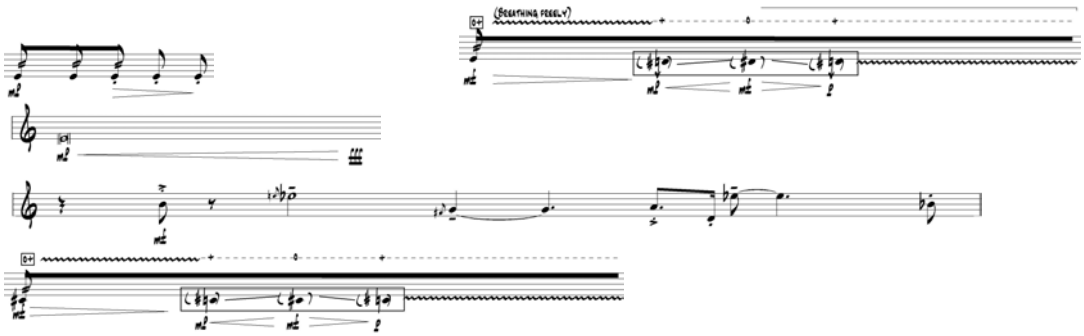
Example 7 shows the entire wave form extracted from Track 1.wav (ADAT: Mark 1) and note to the performers of Section B.

<B>

- Diagram of Section B (Amplitude & Duration) -

<Note to the performers: For muted two trumpets>

- Aleatoric box gestures -

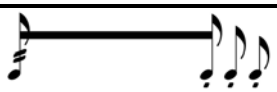


1. The starting point of section B needs to coincide with the first beat of measure 46 in section A.
2. Start aleatoric gestures after the pickup beats; it is not necessary to begin with the first box.
3. After the pickup beats, at approximately 1'55", the brass instruments enter with aleatoric gestures.
4. Section C needs to begin immediately after the pickup beats.

ATTACA

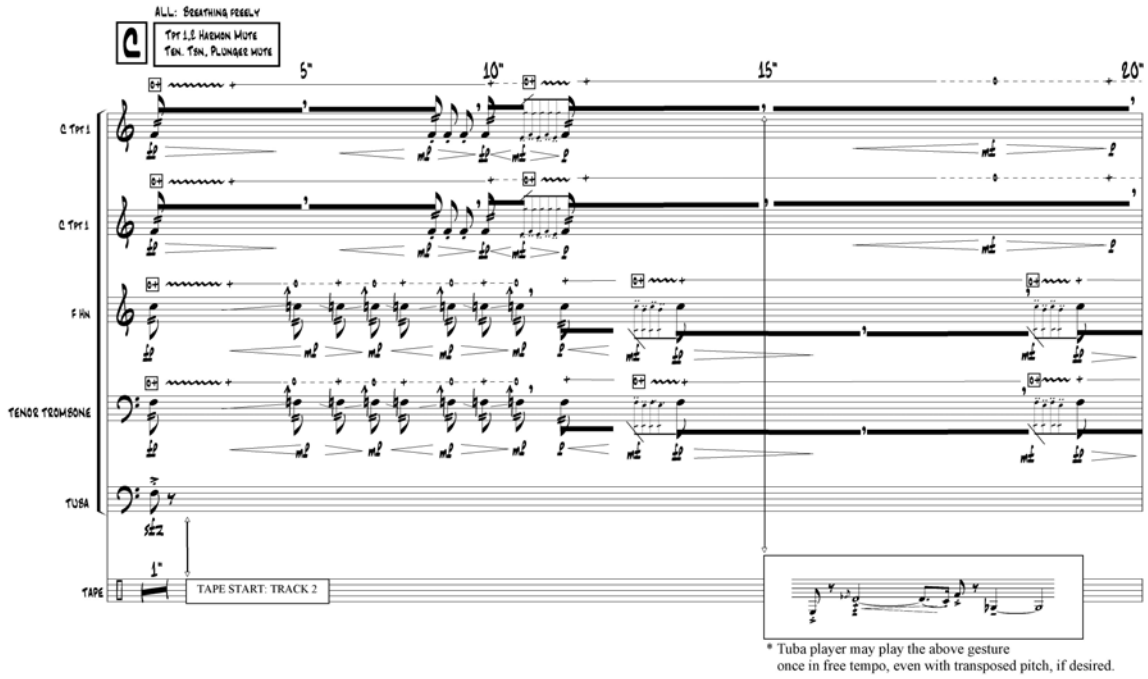
Example 7. Section B

The appearance and development of our complex hidden emotions are portrayed by Section C. In order to express this, I used irregular, unexpected timbres and a more abstract musical language. Section C consists of completely different elements, timbres and voice textures than Section A. While the first section utilizes a more conventional style of writing and the familiar colors, Section C uses no meter, tempo, key signature, or exact rhythms, and sometimes contains a restricted pitch range. Players can perform this section freely, because it is based on approximate durations in seconds instead of meters. This structural freedom, as well as the use of harmon, plunger and whisper mutes to create distinctive timbres, is necessary to represent the abstract concept of this piece. I provide detailed special notes to the performers explaining how to create these timbres for Section C.

	Flutter tonguing.
	Flutter tonguing gradually slowing to individual notes.
	(Mute) closed, then suddenly opened at o
	As above, but gradually changed from closed to open.
	Rapid alternation of open and closed, not synchronized with tonguing.

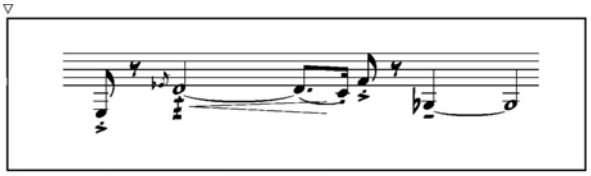
Example 8. Note to the Performers

Section C is comprised of a totally free compositional aesthetic. Full muted brass instruments sustain an F for approximately 35” with interesting colors. The intervals between the instrumental voices alternate, shifting between relaxation and tension; the primary intervals used are the unison, minor second and major second.

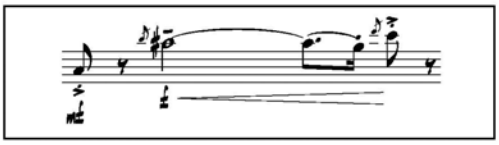


Example 9. Beginning of Section C

Although the voices are centered on a unison F, they all use microtones, changing dynamics and articulations to add an interesting complexity and variety to the sustained pitch. At a point 15” and 25”, two melodies from Section A appear as an aleatoric gesture, acting as a reminder of the monotony and rigidity of reality, but new timbres from the muted brass instruments emerge to counteract and prevail. The tuba may perform them once in free tempo, and even transpose pitches.



* Tuba player may play the above gesture
once in free tempo, even with transposed pitch, if desired.

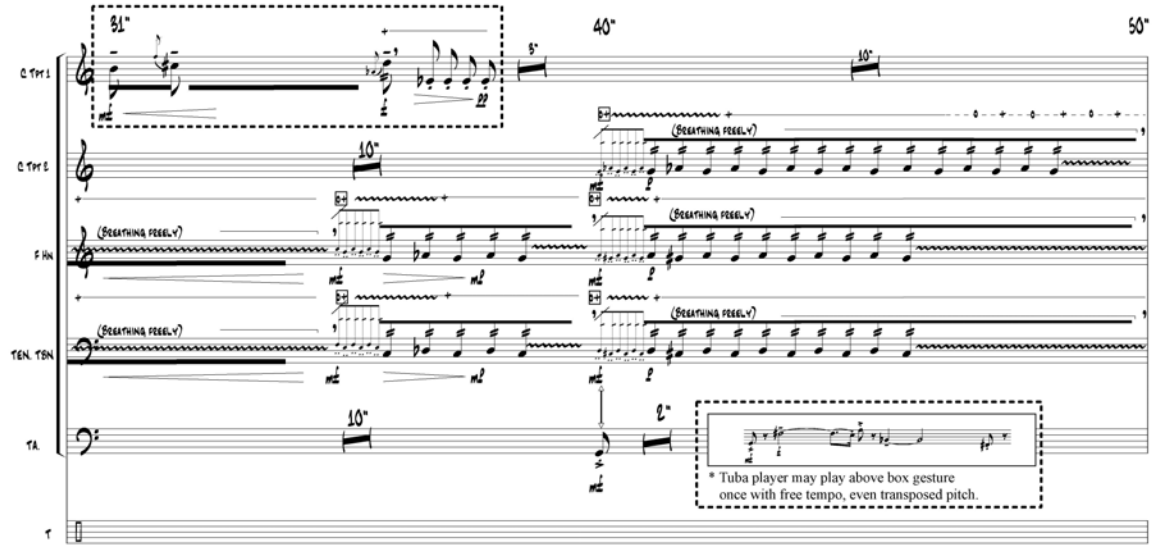


* Tuba player may play the above gesture
once in free tempo, even with transposed pitch, if desired.

Example 10. Aleatoric materials from Section A

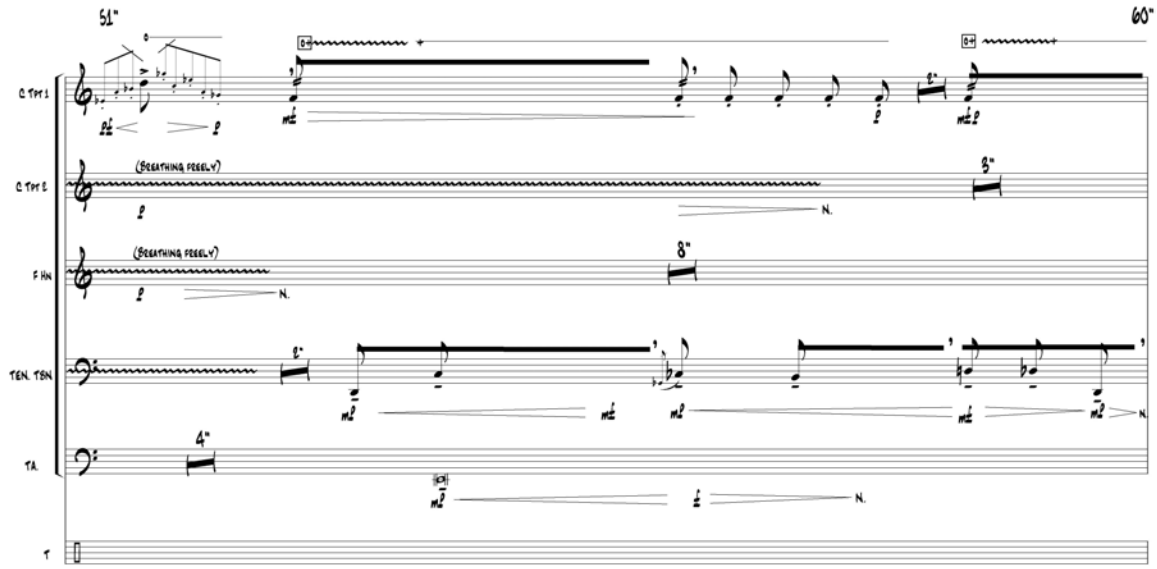
(Approximate 15" and 25" by the tuba)

The principal theme of Section C is performed by the first trumpet player at approximately 30", while the intervallic relationship between the two trumpets and the other voices is changed from unison to a perfect 4th. One of melodies from Section A is performed again by the tuba as a contrapuntal gesture at approximately 40", while the muted trumpet, horn, and trombone create unusual timbres, using the interval of a perfect 4th. An interesting occurrence at this point is that a principal theme of Section C is answered by a melody from Section A in a contrapuntal gesture. All of the melodies used in Section A are notated in aleatoric boxes, to be performed once in free tempo, even with transposed pitch, if desired.



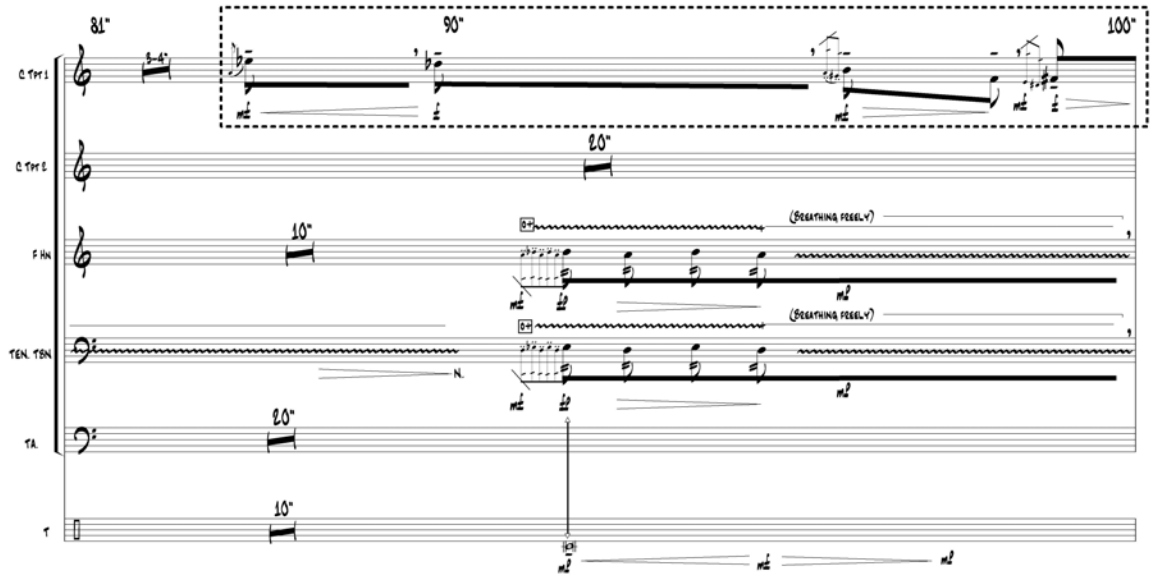
Example 11. The principal theme of Section C

The principal theme, now transformed by the way of rhythmic expansion, is performed by the trombone at approximately 55". It consists of a long phrase containing the melodic intervals minor 7th, minor second, and major 3rd.



Example 12. The expanded melody transformed from the principal theme

The expanded melody transformed from the principal theme is performed by the first trumpet at approximately 85”, with long phrasing. Both the horn and trombone sustain a primary note, E, at the interval of an octave, which is alternated by a semitone and microtone, while the tuba sustains an E at approximately 93”.

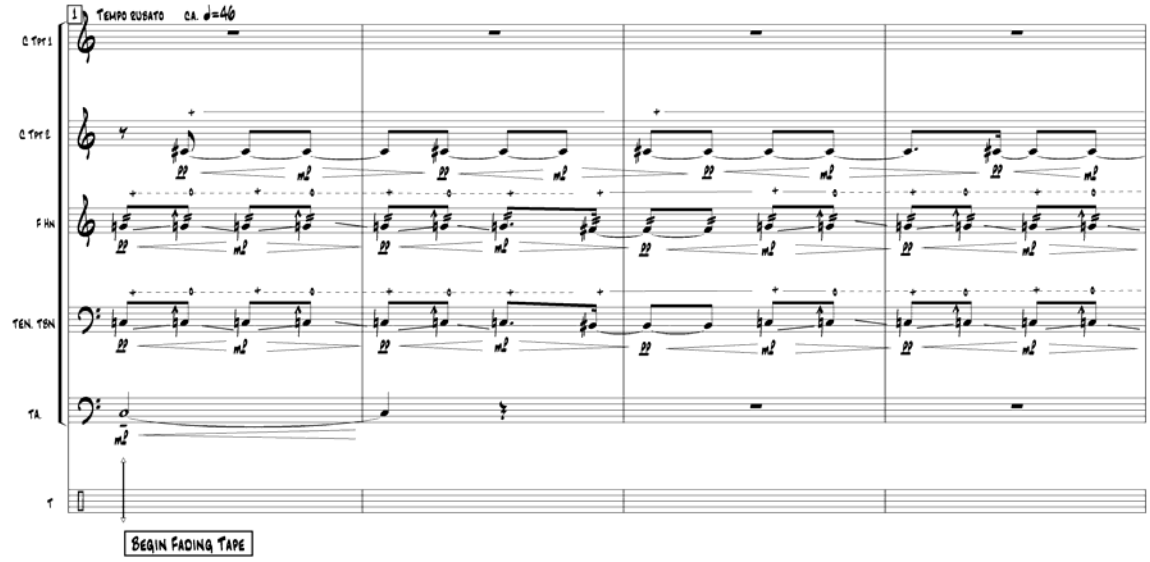


Example 13. The expanded melody by the way of rhythmic expansion

After approximately 120”, a new idea appears in the 2nd trumpet, horn, and trombone.

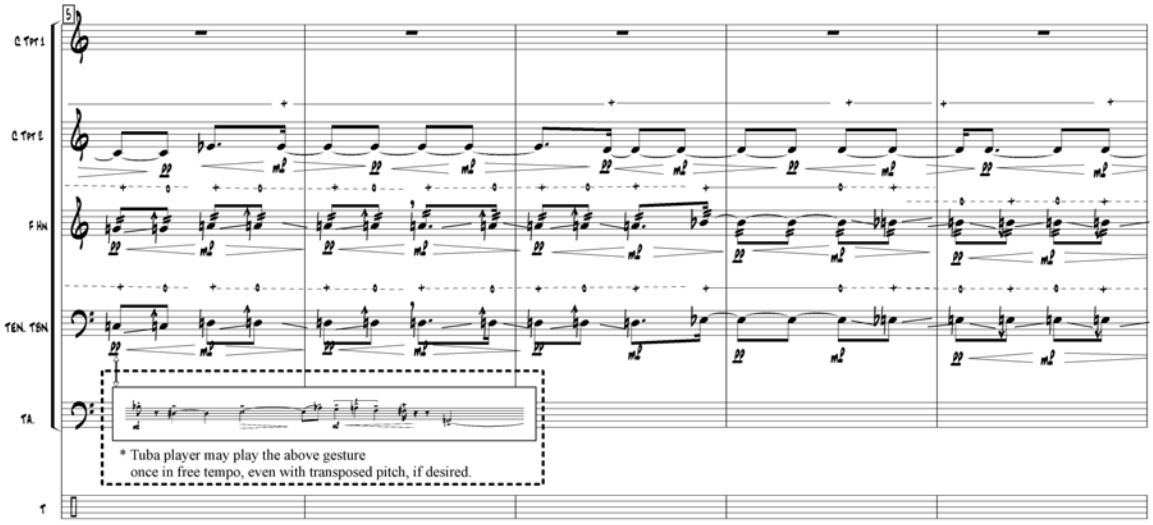
The new material is an interlude which gradually reaches a climax and consists of many sustained tones by the instruments with fluctuating dynamics.

The second trumpet sustains a unison C#, frequently changing dynamics, while the horn, trombone, and tuba sustain an octave C, also with fluctuating dynamics.



Example 14. New idea area in Section C

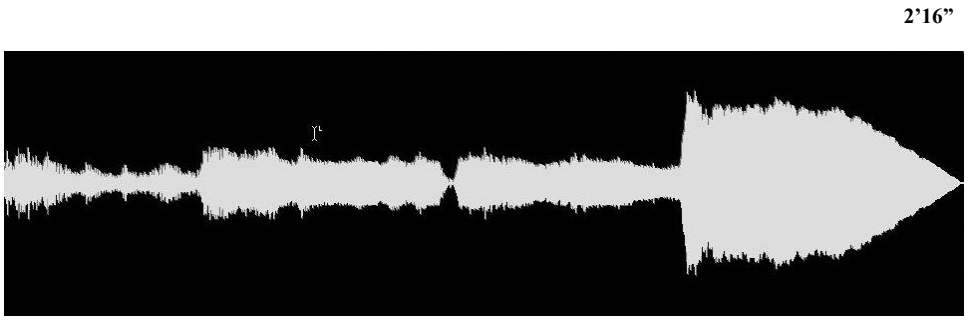
After 4 measures of this material, one of the melodies from Section A reappears, this time as an aleatoric gesture.



Example 15. A melody from Section A

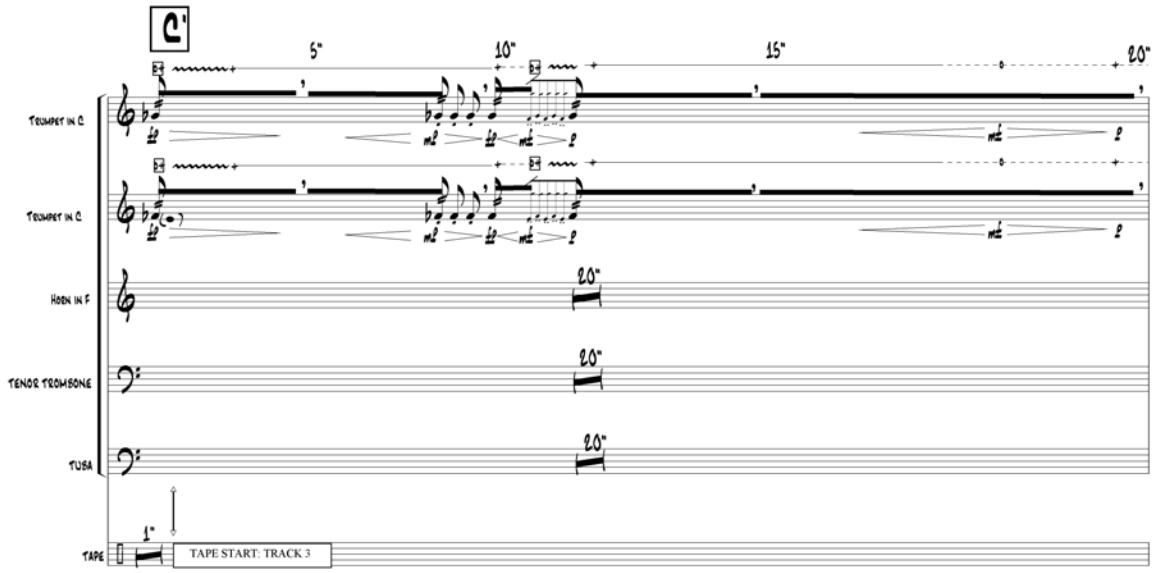
The sound world of Section C is based on the combination of live and pre-recorded sounds. The tape is created using some recorded brass timbres, in order to help create the illusion of live interaction. The instruments need to begin immediately after the pickup beats in Section B and the Tape part must begin at approximately 2" according to the indicated cue. The duration of the instrumental part is approximately 2'00", but the tape part is exactly 2'16". Hence, the person controlling the mixer must gradually fade out the tape beginning at around 2'00". The tape part in Section C supports and adds new color to the sounds of the instruments not only through live interaction, but also by acting as an expansion of one of the brass instruments.

The pitch materials used by the brass in Section C are somewhat limited, but the tape part utilizes a wider range of pitch materials, and adds to the piece through the use of colorful timbres. The primary materials used in the tape part are samples of acoustic brass instruments, percussion, and a Kurzweil K2000 synthesizer, mainly using the same pitch materials as the instrumental part in Section C. The compositional and processing tools used for the tape part include the GigaSampler, Sound Forge, and GRM Tools, especially the five band comb filter (stereo). The diagram below shows entire wave form of Track 2 (ADAT: Mark 2) used in Section C.



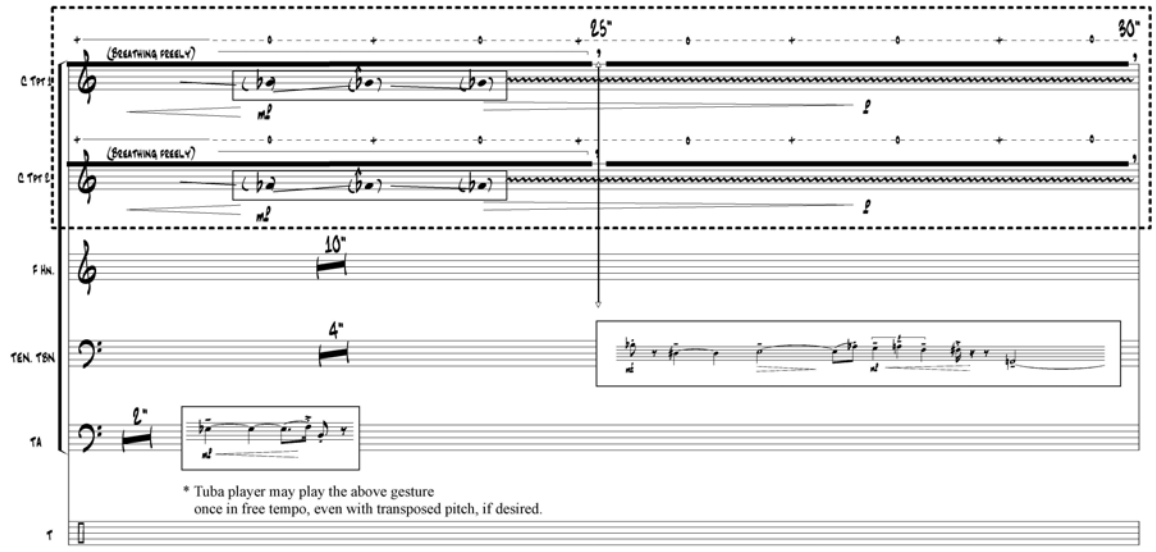
Example 16. Diagram of Tape Part (Section C, Amplitude&Duration)

In Section C', I attempted to evoke self-effacement, and the attainment of a spiritual state of perfect selflessness. This section uses more extended musical material than Section C, due to the numerous instrumental voice textures, extended a new idea area, and an added aggressive climax, achieved with aleatoric gestures. In addition, Section C' is transposed a minor second higher than Section C. At the beginning of this section, the two trumpets perform material centered on the pitches Gb and E.



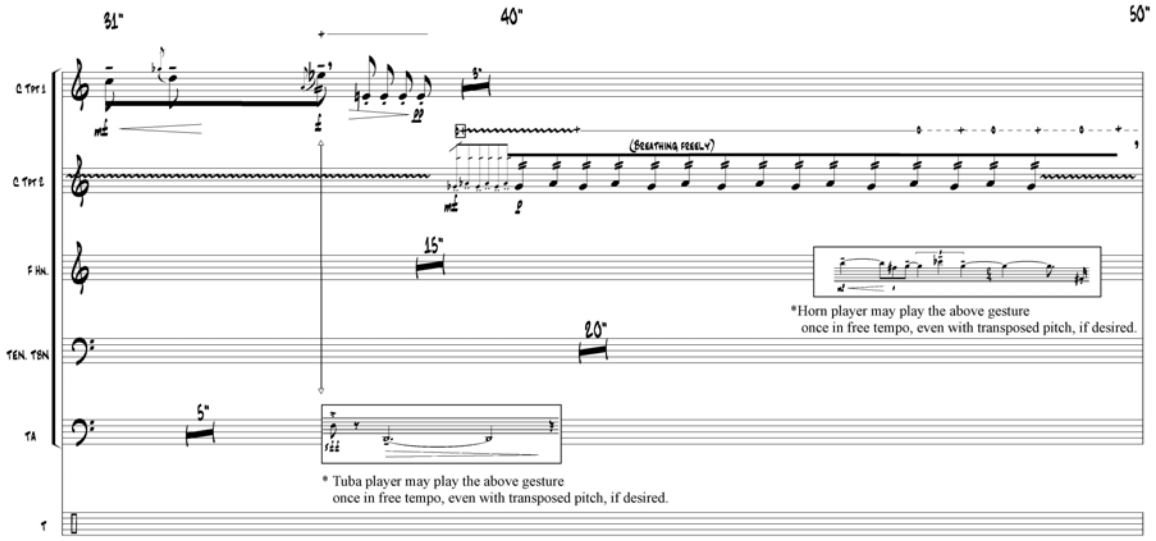
Example 17. Beginning of Section C'

Two melodies return from Section A and are alternately presented one time each, at approximately 20" to 30", while the two muted trumpets create long phrases using the interval of a major second.



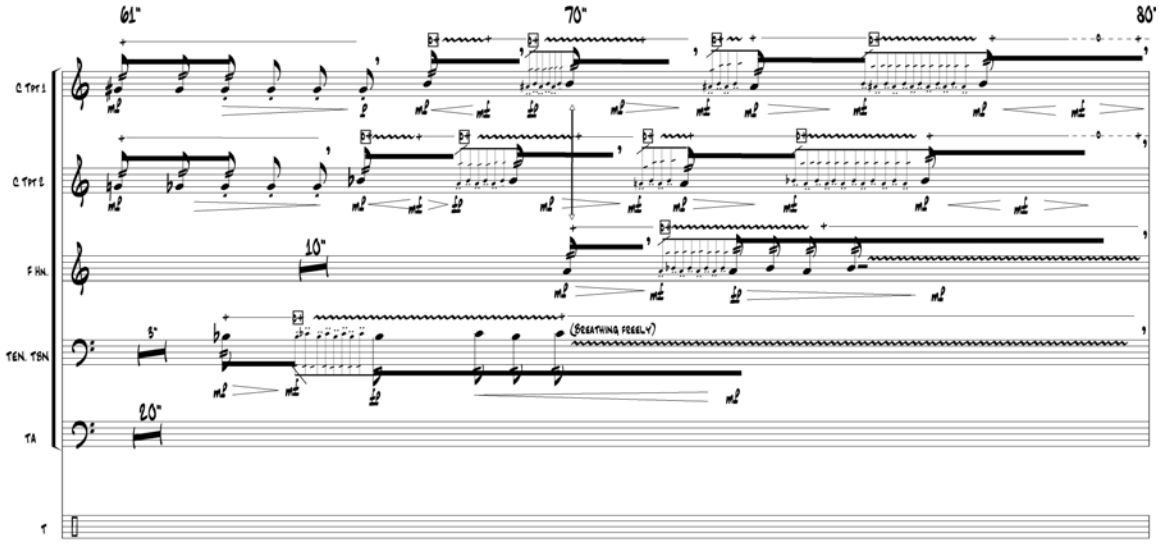
Example 18. Two melodies from Section A

At some point between 30” to 50”, two melodies return from Section A are also performed once each by the trombone and horn, while the principal theme is played by the first trumpet. Following this theme, a microtonal effect is created by both trumpets.



Example 19. The transposed principal theme of Section C’

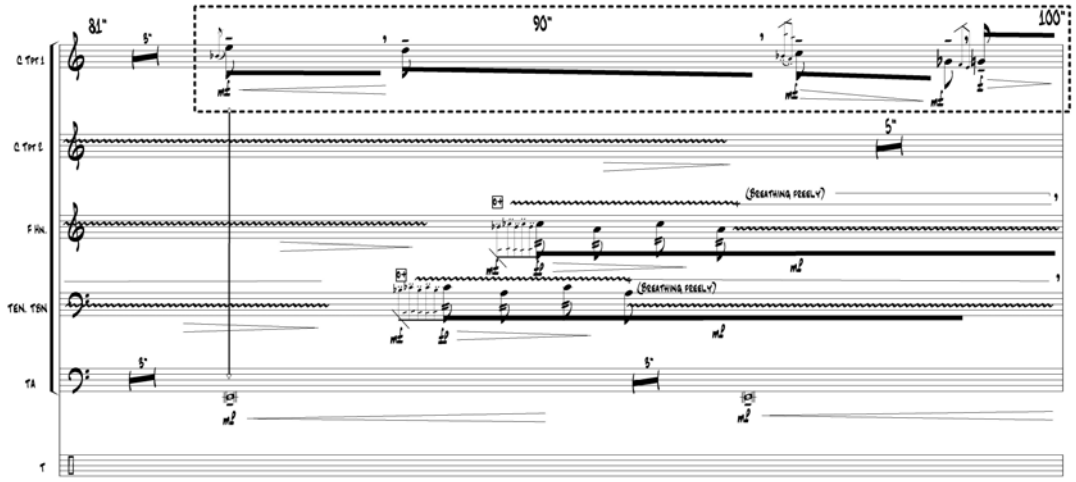
Somewhere between 60” and 80”, all the muted instruments perform various pitches, creating a sense of sonic confusion. The pitches used are D, Eb, Gb (F#), G#, A, Bb (A#), and B. A kind of sound mass occurs at this point; together with the tape part, all the muted instruments are playing these pitches with various grace notes and different breathing points, resulting in surprising colors.



Example 20. Sound confusion in Section C’

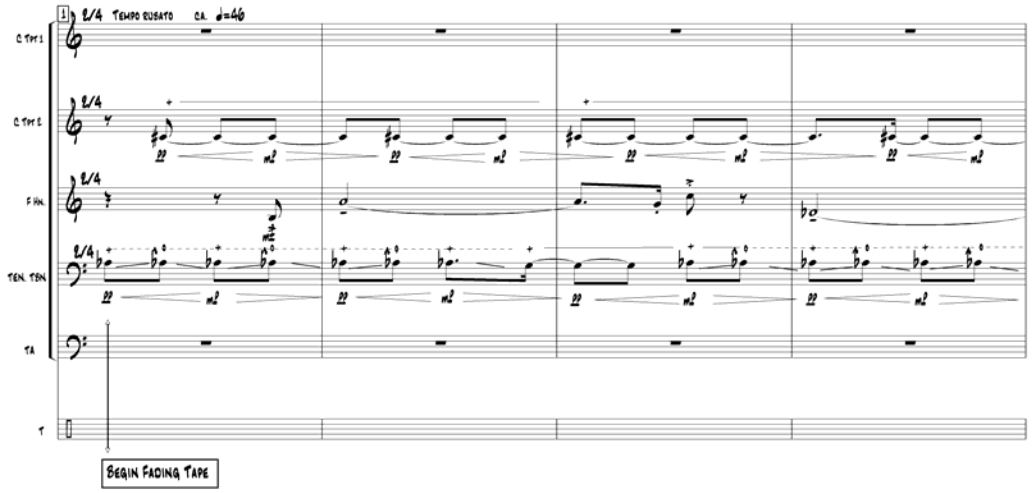
The expanded melody from the transposed principal theme is played by the first trumpet at approximately 85” to 100”, while the horn and trombone are sounding a perfect 4th. All instruments, including the tape part, are playing different gestures.

.



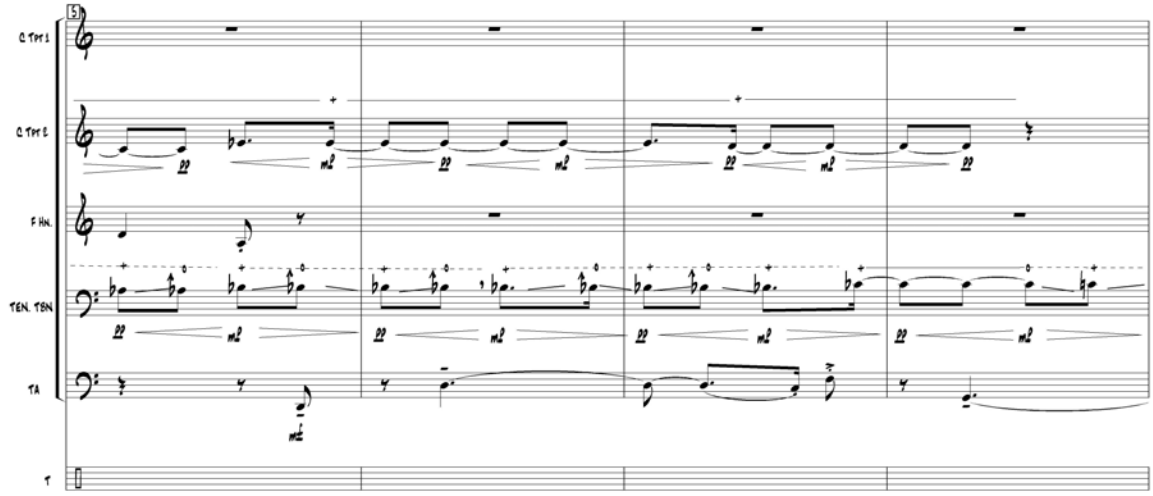
Example 21. The expanded melody from the transposed principal theme

After approximately 120", a new texture is created by the brass with long, sustaining tones. This is much more extended than the corresponding area of Section C. The second trumpet sustains C# continuously with frequently changing dynamics, but the trombone is microtonally fluctuating around a central Ab, also with changing dynamics. Meanwhile, the horn plays a melody from Section A in a slow tempo.



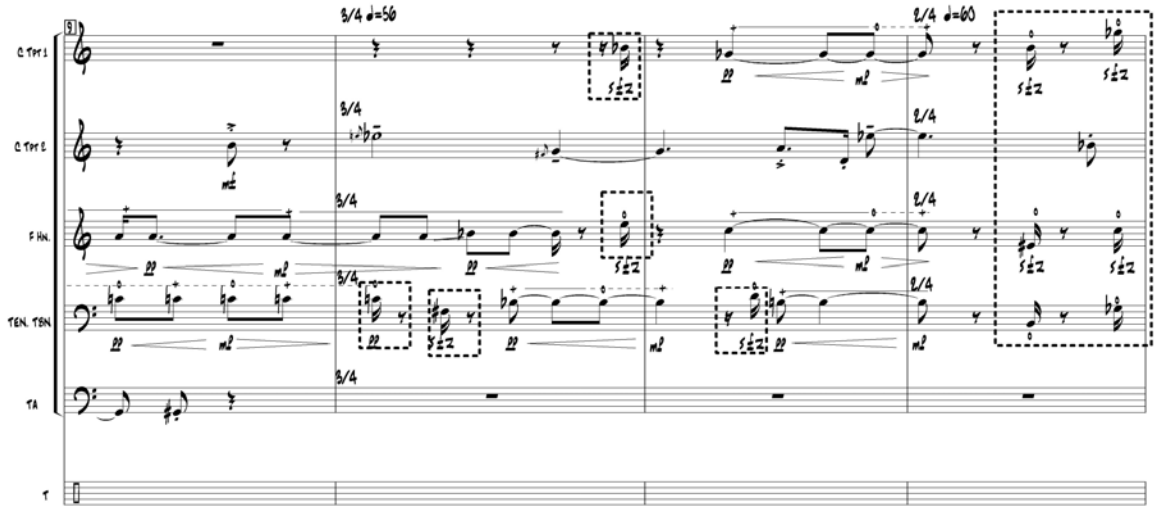
Example 22. Beginning of a new motivic area in Section C' (p. 44)

The second trumpet changes the sustaining notes from C# to Eb in m. 5 (p. 45) of the new motivic area, still dynamically fluctuating, while the trombone is moving by microtones around Bb instead of Ab. This time, the tuba plays a melody from Section A with a slow tempo.

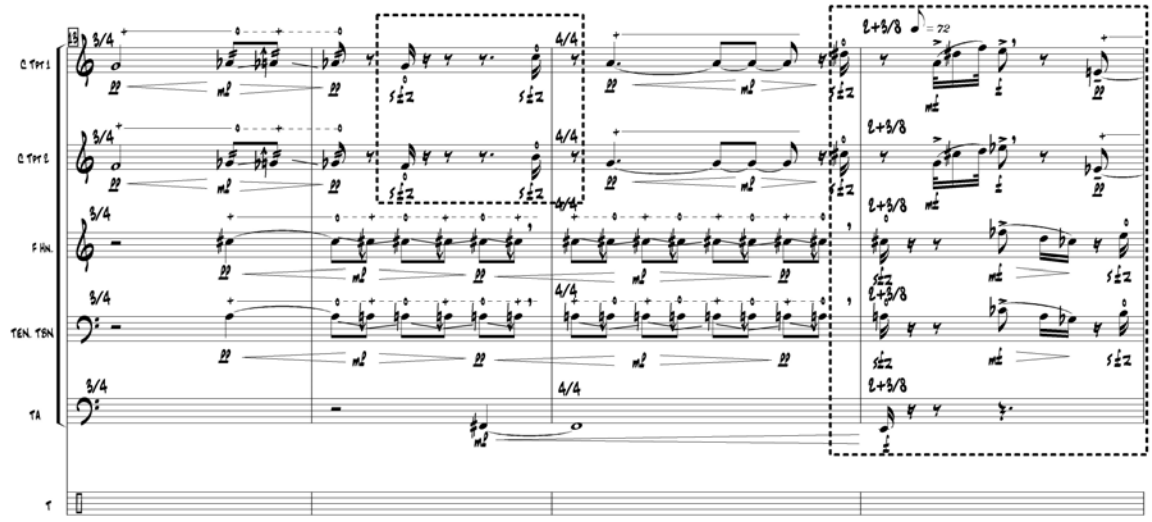


Example 23. A new motive area in Section C' (p. 45)

In mm. 1-8 (pp. 44-45) of this new motivic area, the rhythm is quite simple due to the sustained tones of the muted instruments. In m.10 (p. 45), however, new rhythmic gestures appear. After nine measures of long phrases, static rhythms are disconnected by new, irregular rhythms. These new fragmented rhythms accelerate, and appear in all voices by m. 13.

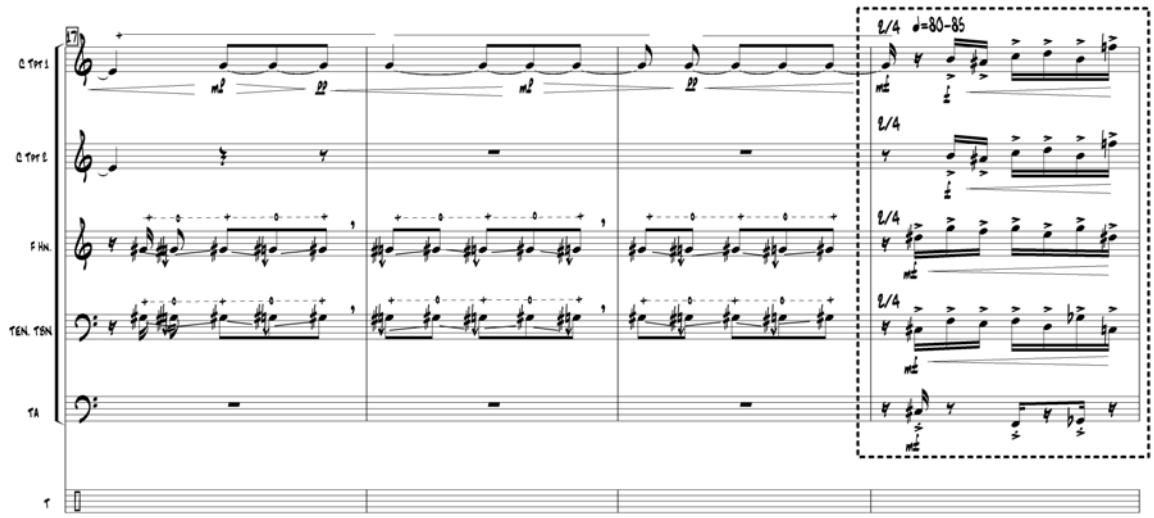


Example 24. The first appearance of new fragmented rhythms (p. 45)



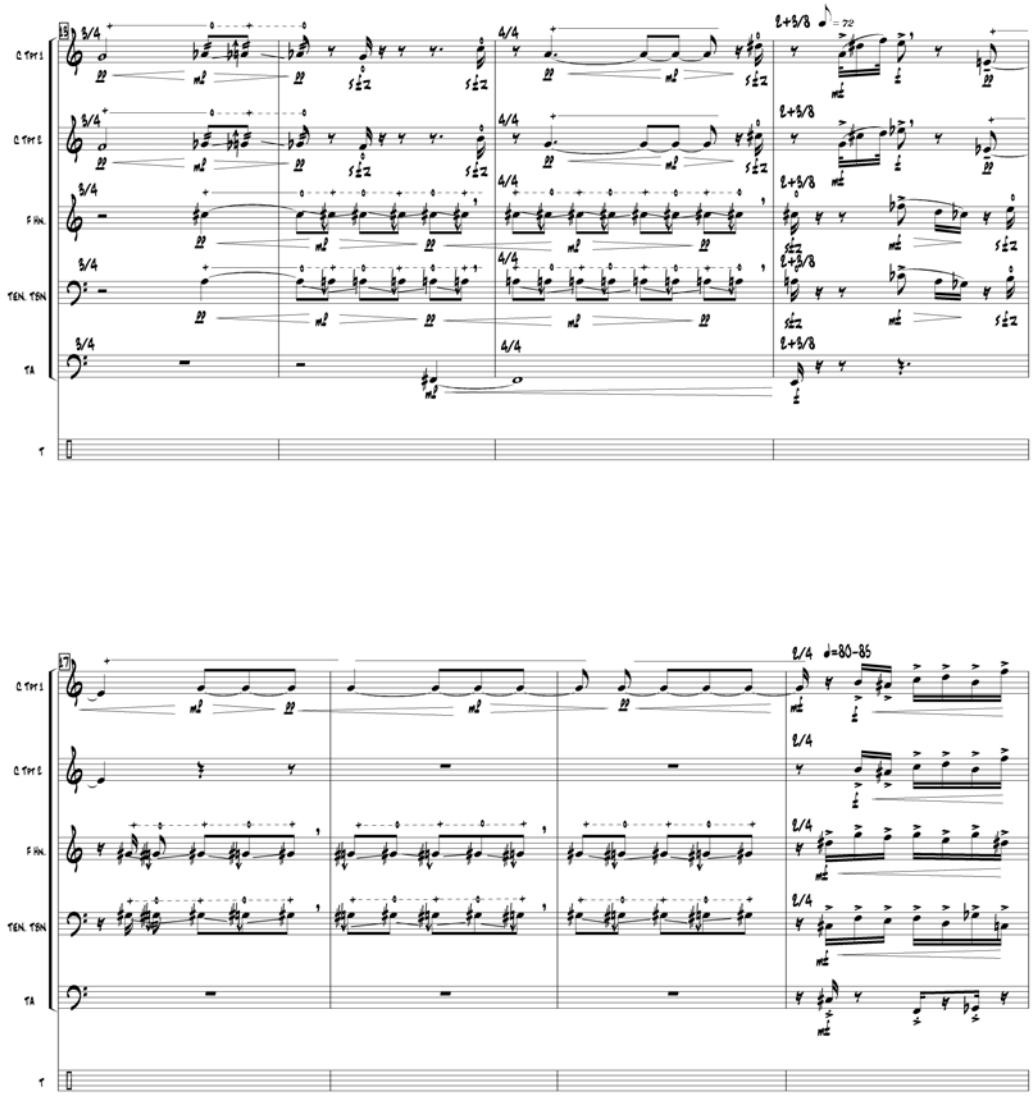
Example 25. Extended new fragmented rhythms (p. 46)

A climax begins at m. 20 (p. 46); prominent at this point are static pitches, consisting of long tones in mm. 1-19, although new fragmented rhythms appear several times.



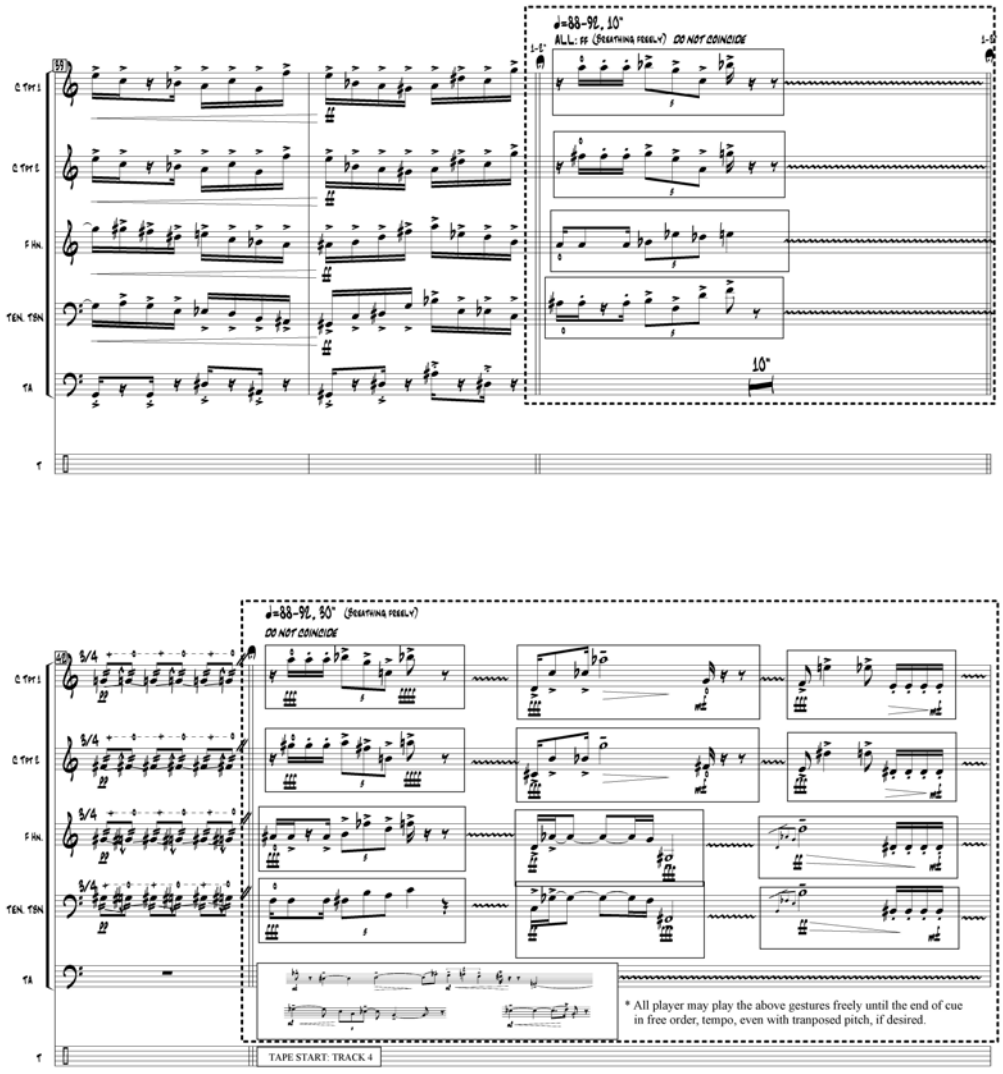
Example 26. Beginning of a climax (m. 20, p. 46)

After the beginning of the climax, the pitches gradually move higher to accented tones. New fragmented rhythms alternate with sustained pitches with frequent dynamic changes leading to the first climax, which is achieved through aleatoric gestures. (pp. 46-48)



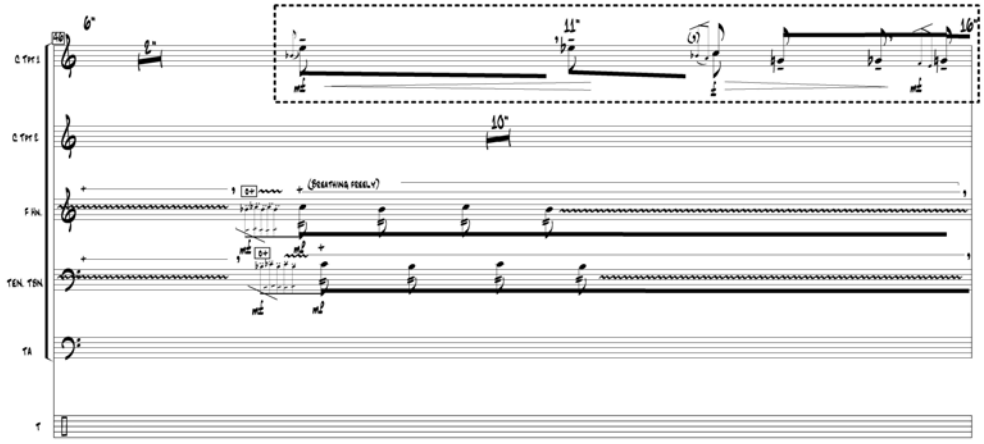
Example 27. Alternation between new fragmented rhythms and sustained pitches

The first peak point of the climax in Section C' appears at m. 41 (p. 49). Two aleatoric gestures in mm. 41 and 43 are linked by a short bridge in m. 42 to create an unexpected chance element. The brass instruments, focused on high pitches, free rhythmic passages, and retrospective materials from Section A, create two aggressive climaxes within an indicated duration in order to reach the final peak of the composition in m. 44. (p. 50)



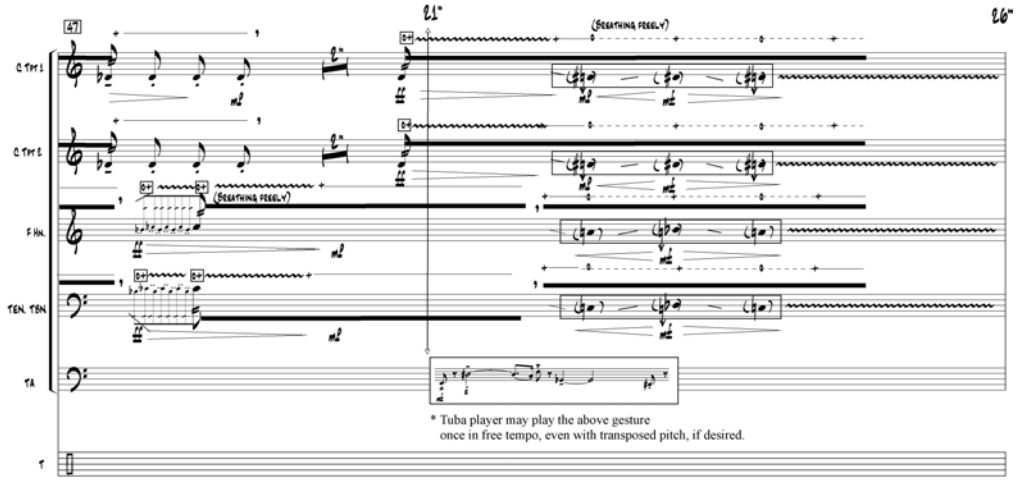
Example 28. Climax parts in Section C' (p. 49)

A short codetta starts in m. 45 (p. 50), approximately 35” after the climax. A transformed melody from a melody suggested by the first trumpet at approximately 81”-100” of Section C’ is played by the first trumpet, while sounds are created by other voices in the background.



Example 29. Beginning of codetta in Section C’

A melody from Section A is also presented by the tuba while the other voices sustain microtones for approximately 21” (p. 51).



Example 30. A melody from Section A

The electronic sounds used in Section C' are created by using a program of my own design written in the Csound computer language and transformed sounds from Track 2 used in Section C (ADAT: Mark 2).

Track 3 (ADAT: Mark 3) is composed for live interaction between the instruments and tape. It needs to start at approximately 2" according to the indicated cue. The original pitches of Track 3 are transposed up by a minor 2nd; there are also newly added transformed timbres and pitches from a Kurzweil K2000 and various samples. As in Section C, the total duration of track 3 is exactly 2'16". As before, the person in control of the mixer should fade out the tape after approximately 2'00".

Track 3 supports the brass instruments not only through live interaction, but also by the use of an expanded, set of timbres in comparison with track 2. Track 3 also makes interesting colors when mixed with the sounds of the instruments, though it does not imitate brass sounds. The diagram below is the acoustical of Track 3.wav. (ADAT: Mark 3)

Example 31. Diagram of Track 3 (Amplitude & Duration)

Track 4 (ADAT: Mark 4) uses a transformed sound from Track 2 used in Section C and Granular synthesis[1], which is created by Csound[2], on samples of brass instruments. A sound from track 4 supports the sonic confusion of the live instruments reaching the peak point of the composition (m. 44, p. 50), which is 26" in duration. Track 4 was generated with GRM Tools using Pro Tools software, especially the five band comb filter (stereo) and Csound, using Track5.orc and Track5.sco. (See Appendix).

The diagram in Example 32 is the wave form of Track 4.wav.

Example 32. Diagram of Track 4 (Amplitude & Duration)

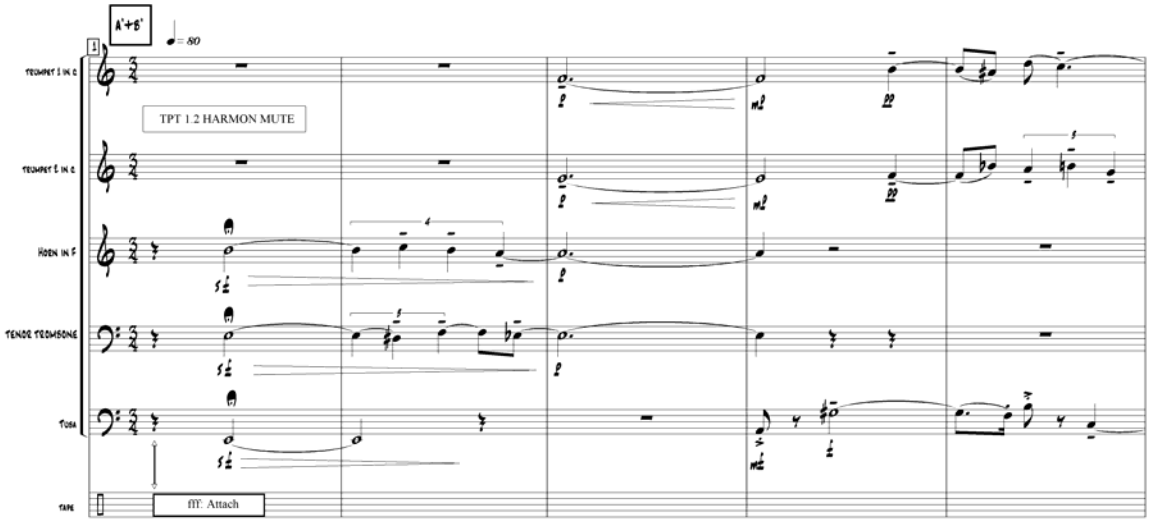
The last section of the piece, Section a'+ b' (pp. 52-53), is a short codetta created by combining minimized versions of Sections A and B. This codetta represents the point at which our desires and hidden emotions give way to the reality of daily life. The

[1] ***Granular synthesis*** is the development of thousands of short sonic grains combined linearly to form large-scale audio events; it was first suggested by Iannis Xenakis and Curtis Roads as a computer music technique to compose fresh electronic sounds. The grain is a unit of sonic energy possessing any waveform, with a typical duration of a few milliseconds, near the threshold of human hearing. It is the continuous control of these small sonic events that gives granular synthesis its power and flexibility.

[2] ***Csound*** is a programming language designed and optimized for sound rendering and signal processing. The language consists of approximately 450 opcodes. It is necessary to create two text-based files to generate sound - an orchestra, ("instruments") file and a score, ("notes") file.

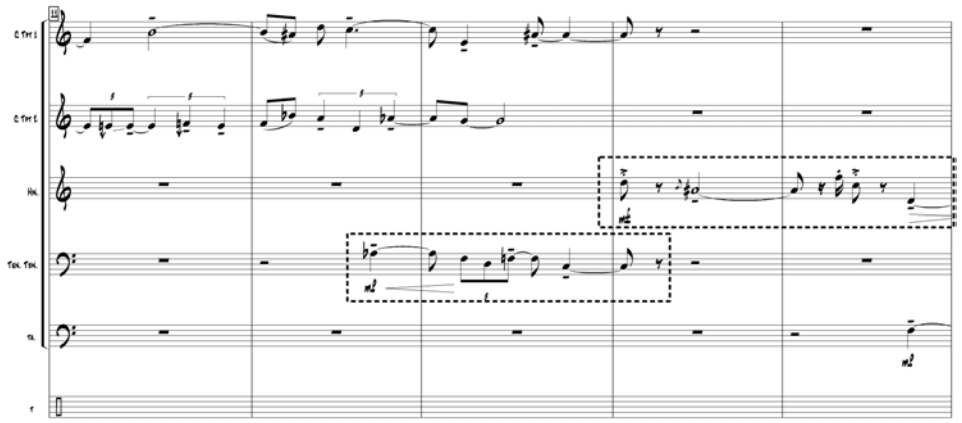
instrumental part is minimal in comparison with Section A, and is transposed up by a major second.

Section a'+ b' has no opening fanfare as in Section A. It begins with a unison E, played by all instruments except for the two muted trumpets. The principal theme appears in mm. 4-6 by the tuba, expressing the monotony of everyday life. As in Section A, it is transposed, transformed, minimized, expanded, and contrapuntally moved to other voices.



Example 33. Beginning of Section a'+b' (p. 52)

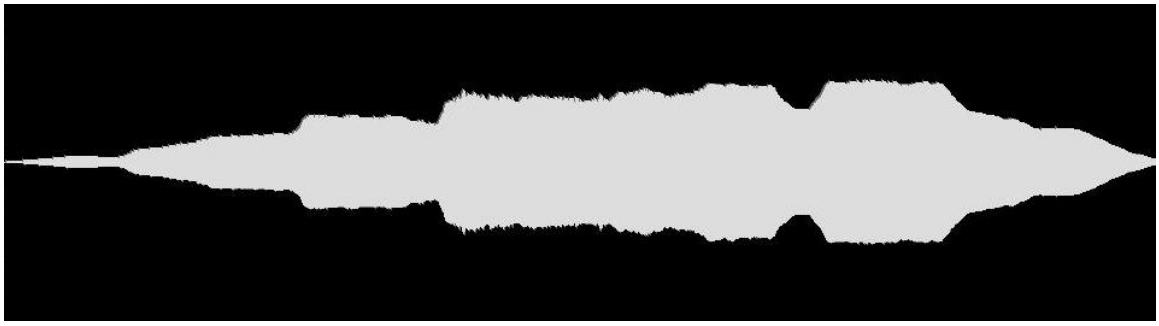
The most interesting feature in mm. 12-20 (p. 53) is the melodic dovetailing between instrumental voices. Not only can these melodies, which are transformation of the principal theme, be linked with the melodies in other voices from the beginning of the piece, but they also create unique sound when combined at this point in the composition.



Example 34. A contrapuntal gesture (mm. 12-16, p. 53)

The tape part in this section (ADAT: Mark 5) is derived from Section B, and uses samples of a Kurzweil K2000 and the inside strings of a piano, manipulated with GRM Tools - specifically, Delay 24 (stereo) and Freezing (stereo). This part has a different timbre than track 1.wav, but it is based on the same samples to maintain musical continuity. It must start at the end of Section C' according to the indicated cue. The duration of track 5 is exactly 1'00". The diagram below is the entire wave form extracted from Track 5.wav.

1'



Example 35. Diagram of Track 5 (Amplitude & Duration)

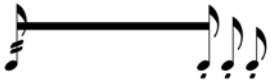
Score

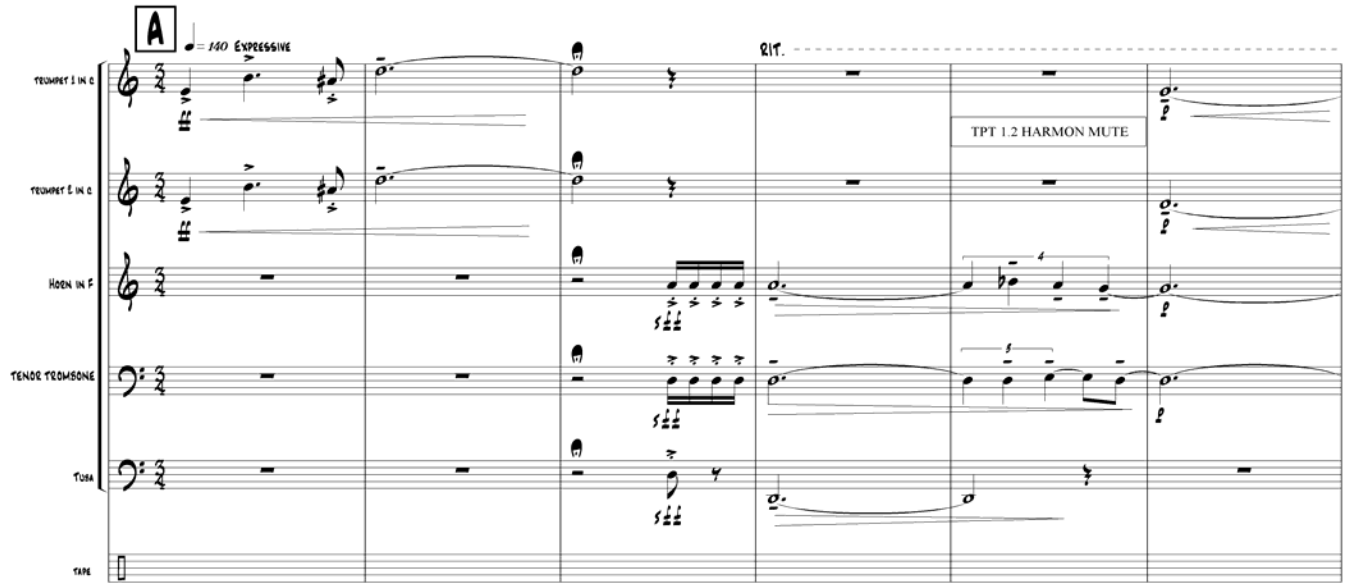
GRAY SKY II for Brass Quintet and Tape

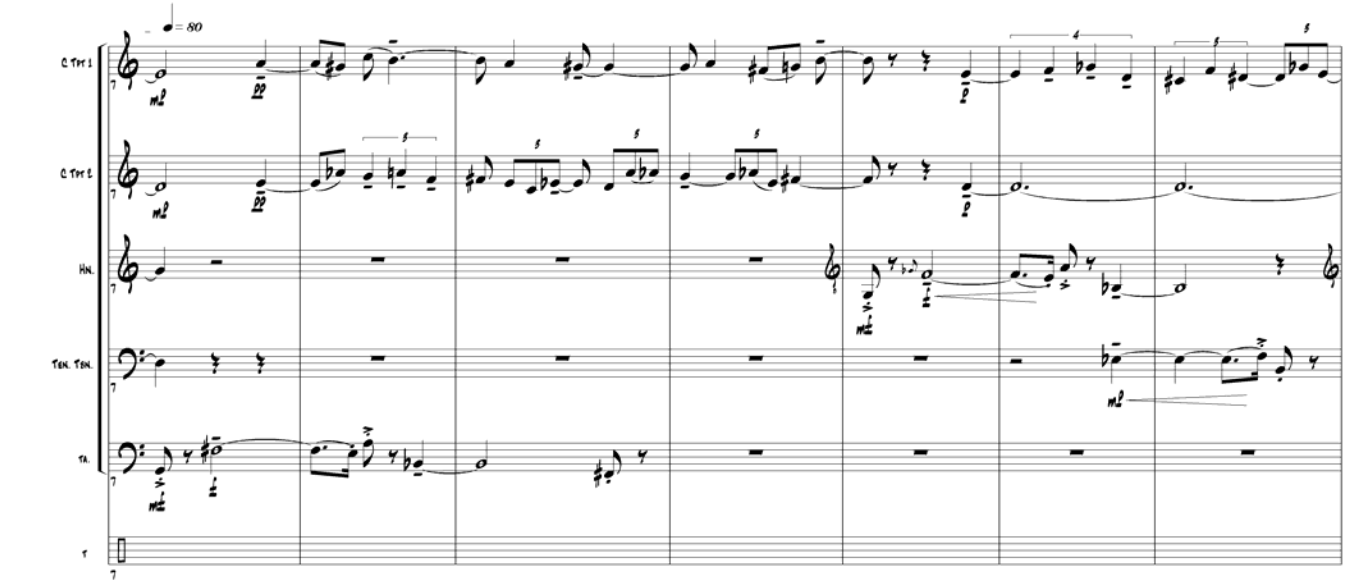
by

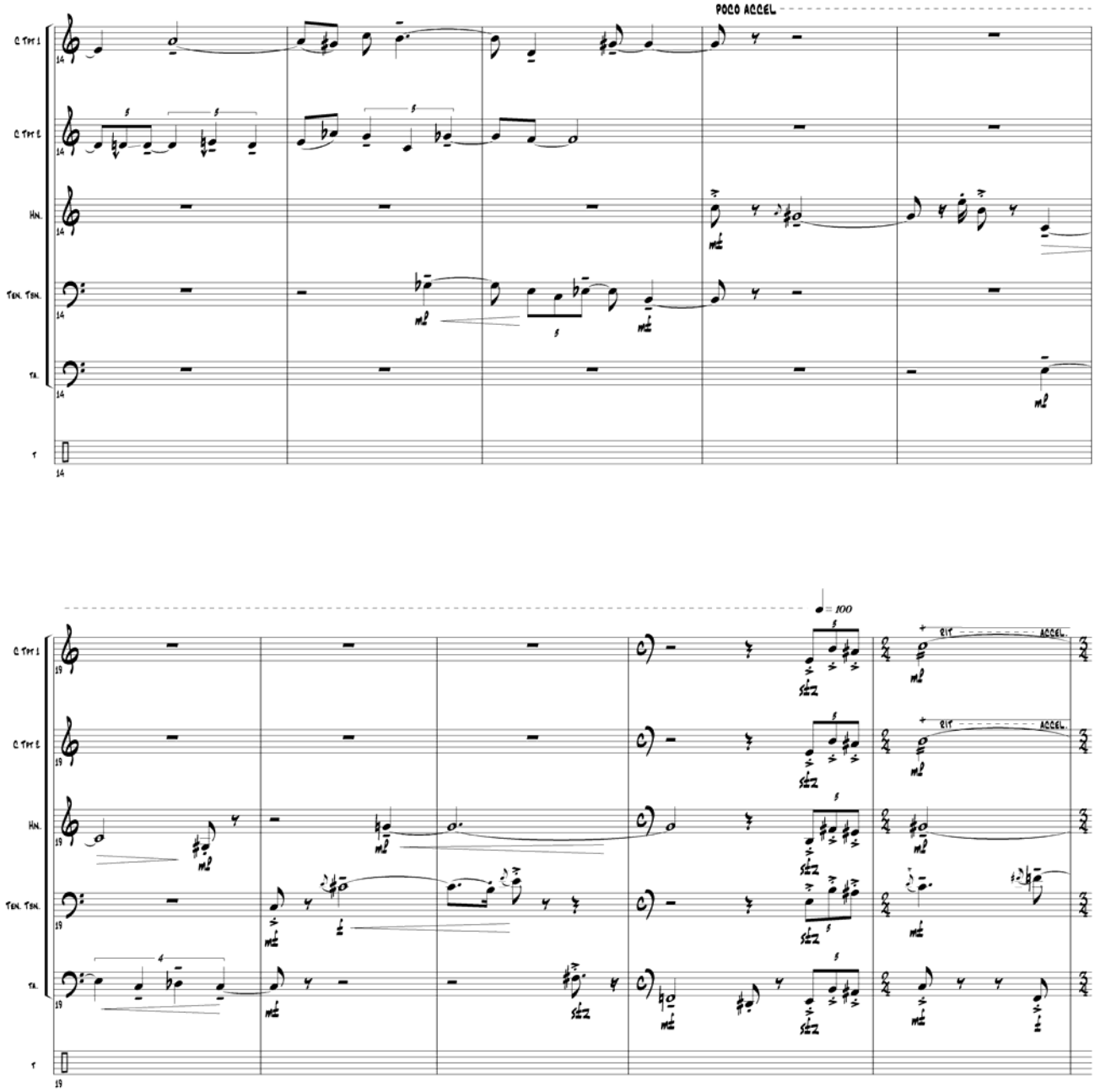
Young-Hwan Yeo

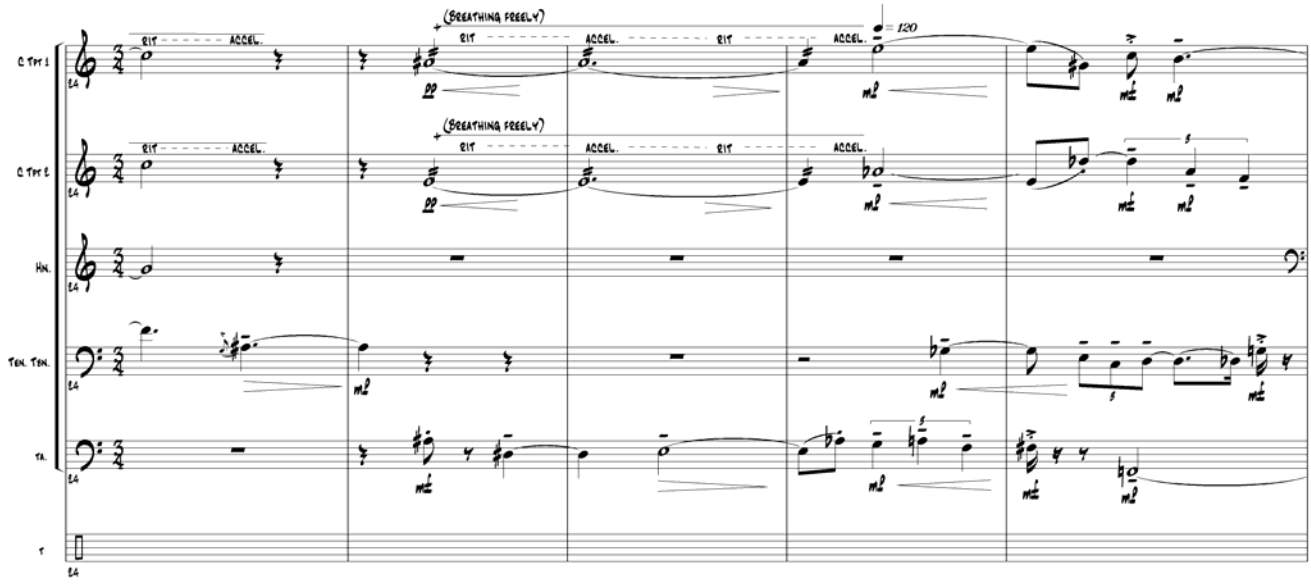
- Note to the Performers -

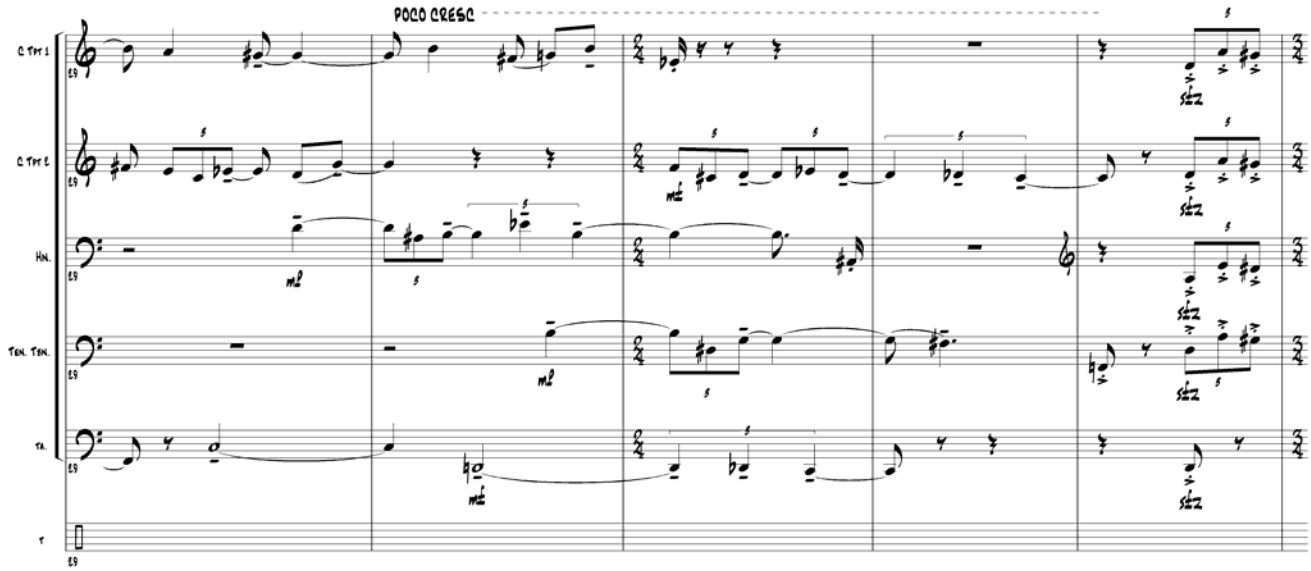
	Flutter tonguing.
	Flutter tonguing gradually slowing to individual notes.
	(Mute) closed, then suddenly opened at o
	As above, but gradually changed from closed to open.
	Rapid alternation of open and closed, not synchronized with tonguing.

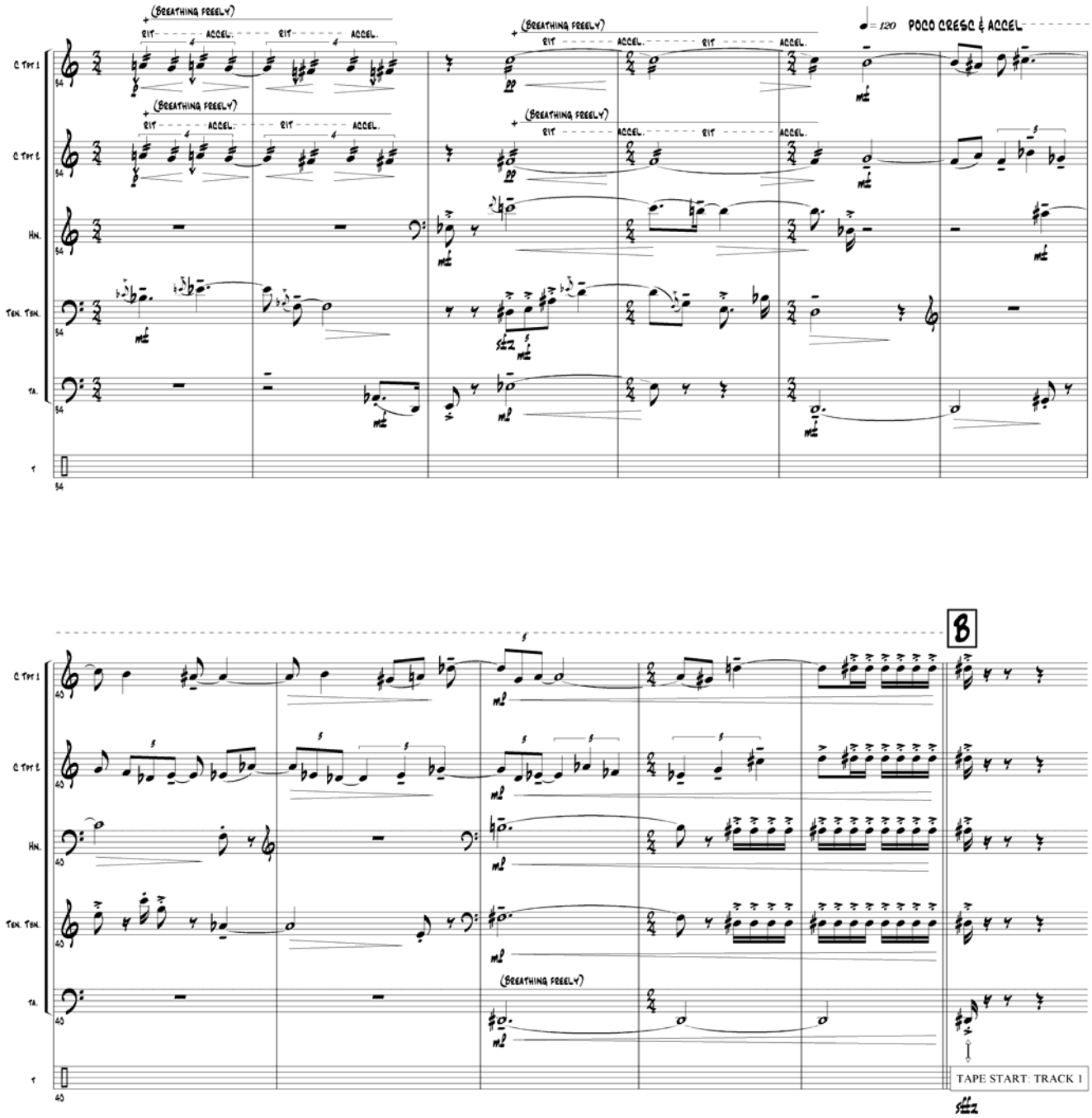

A
♩ = 140 EXPRESSIVE
RIT.
TRUMPET 1 IN C
TRUMPET 2 IN C
HORN IN F
TENOR TROMBONE
TUBA
TAPE
TPT 1.2 HARMON MUTE


♩ = 80
C. TPT 1
C. TPT 2
HN.
TEN. TBN.
TA.
T


POCO ACCEL
C. TPT 1
C. TPT 2
HN.
TEN. TBN.
TX.
T
14
19
♩= 100
RIT
ACCEL.


C. TPT. 1
C. TPT. 2
HN.
TEN. TBN.
TA.
T
(BREATHING FREELY)
RIT
ACCEL.
♩= 120
pp
mf


POCO CRESC
C. TPT. 1
C. TPT. 2
HN.
TEN. TBN.
TA.
T
mf
sfz

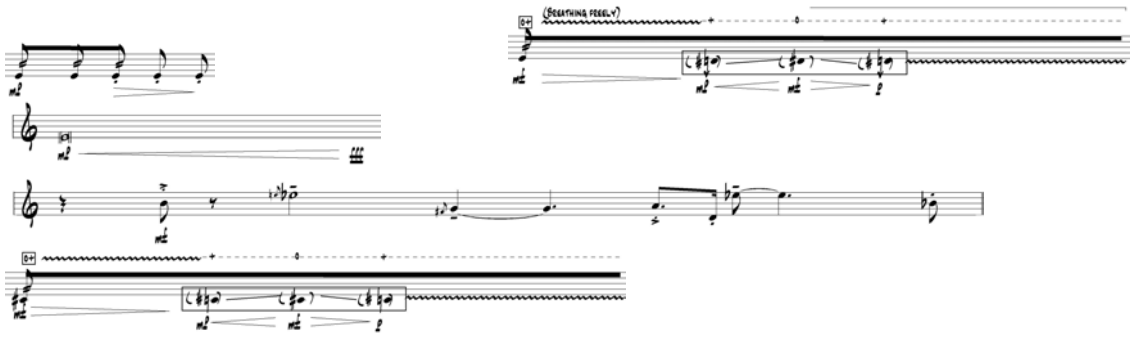

(BREATHING FREELY)
RIT
ACCEL.
♩= 120
POCO CRESC & ACCEL
C. TPT 1
C. TPT 2
HN.
TEN. TBN.
TA.
T
54
B
(BREATHING FREELY)
TAPE START: TRACK 1
40

<B>

- Diagram of Section B (Amplitude & Duration) -

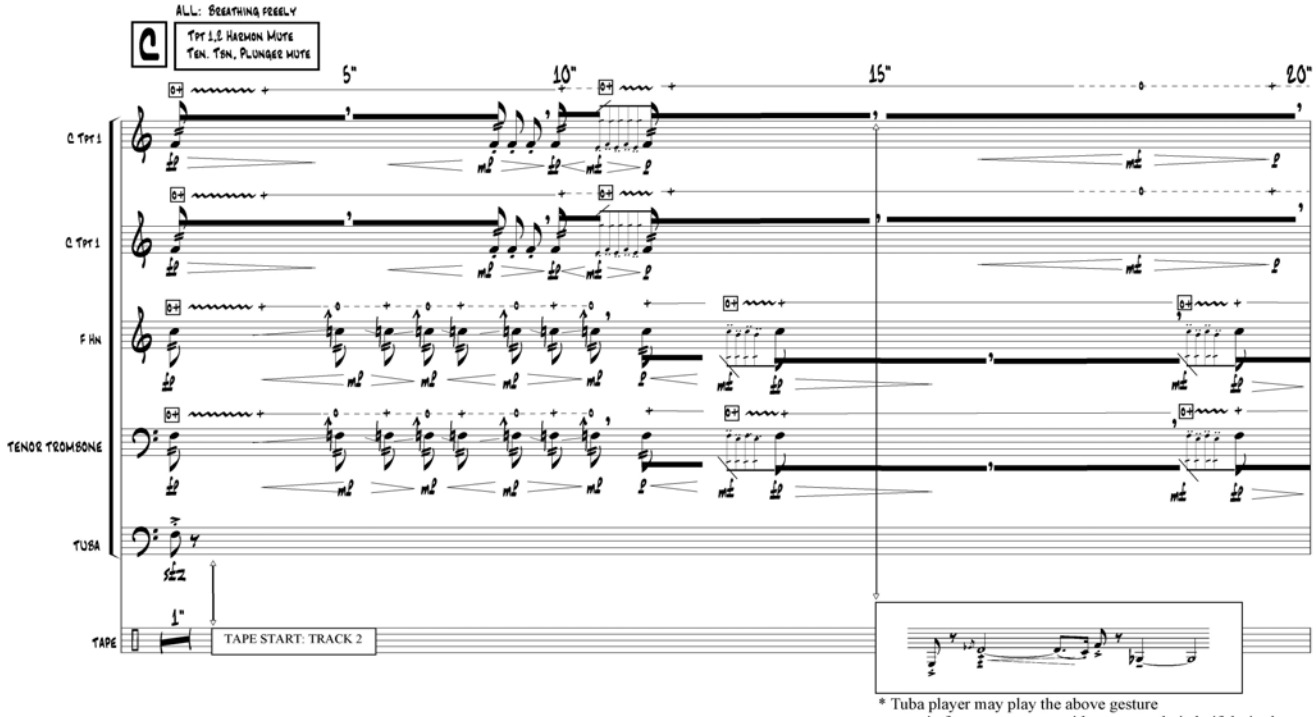
<Note to the performers: For muted two trumpets>

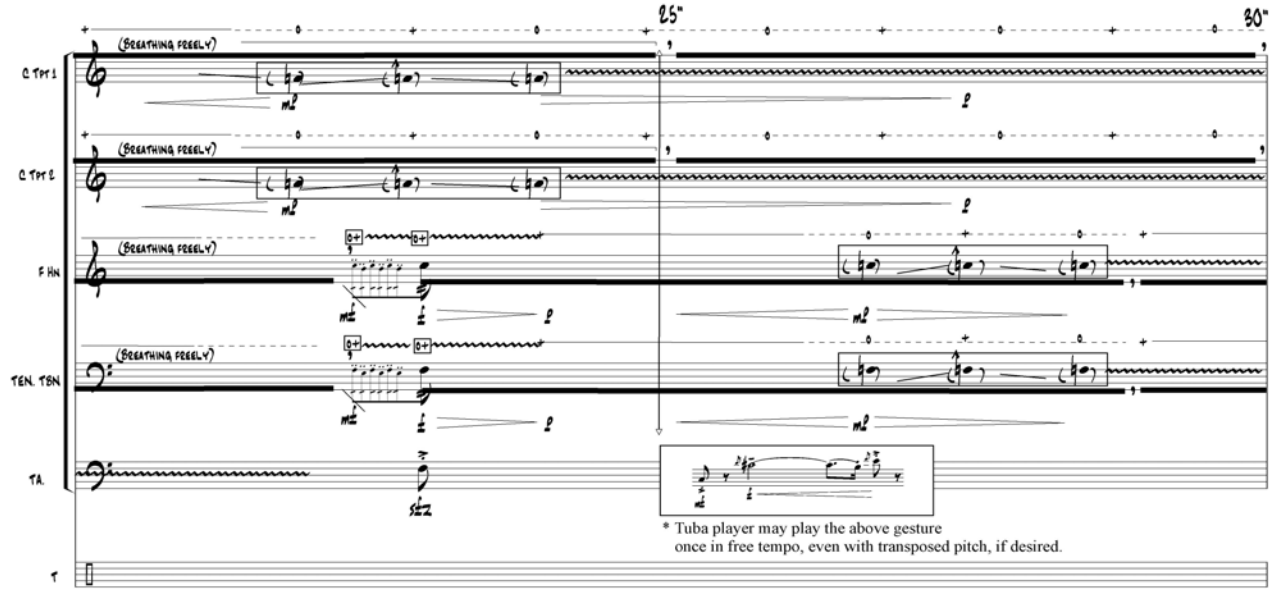
- Aleatoric box gestures -

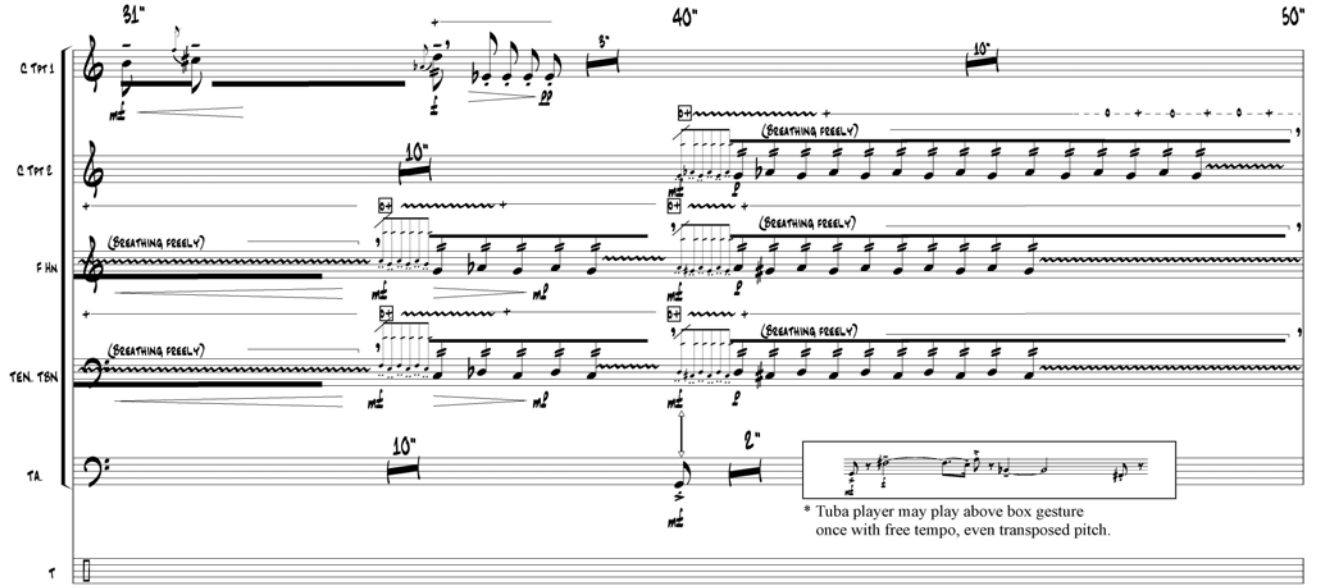


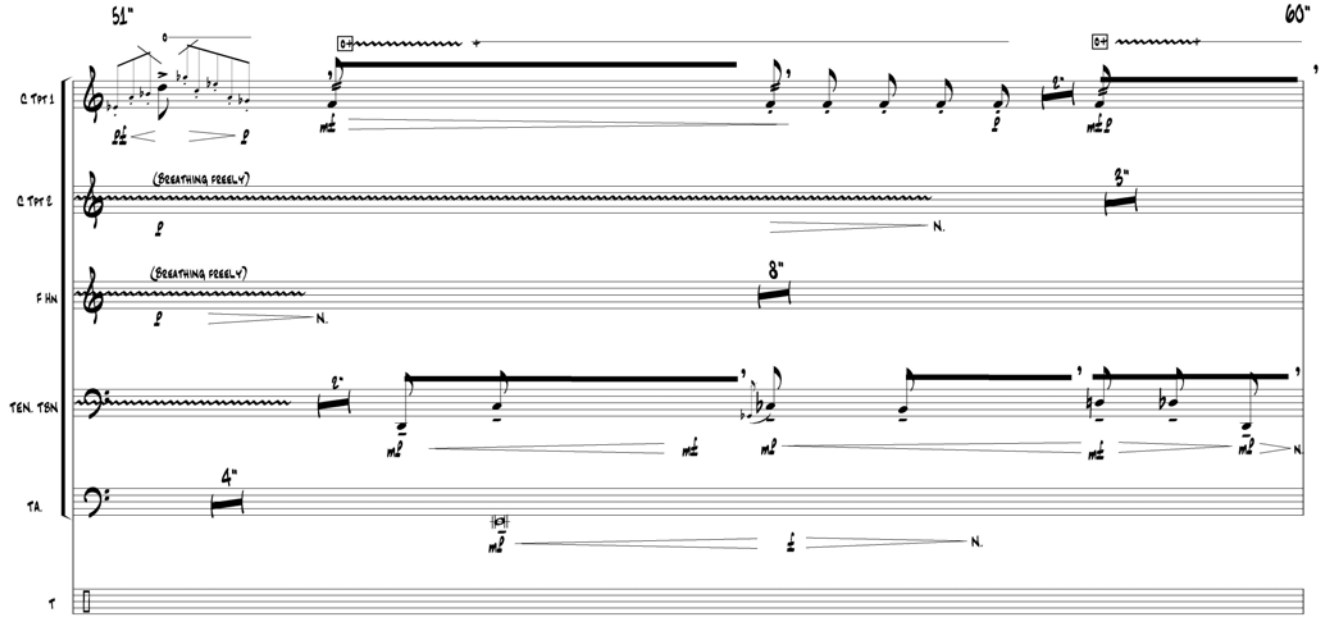
1. The starting point of section B needs to coincide with the first beat of measure 46 in section A.
2. Start aleatoric gestures after the pickup beats; it is not necessary to begin with the first box.
3. After the pickup beats, at approximately 1'55", the brass instruments enter with aleatoric gestures.
4. Section C needs to begin immediately after the pickup beats.

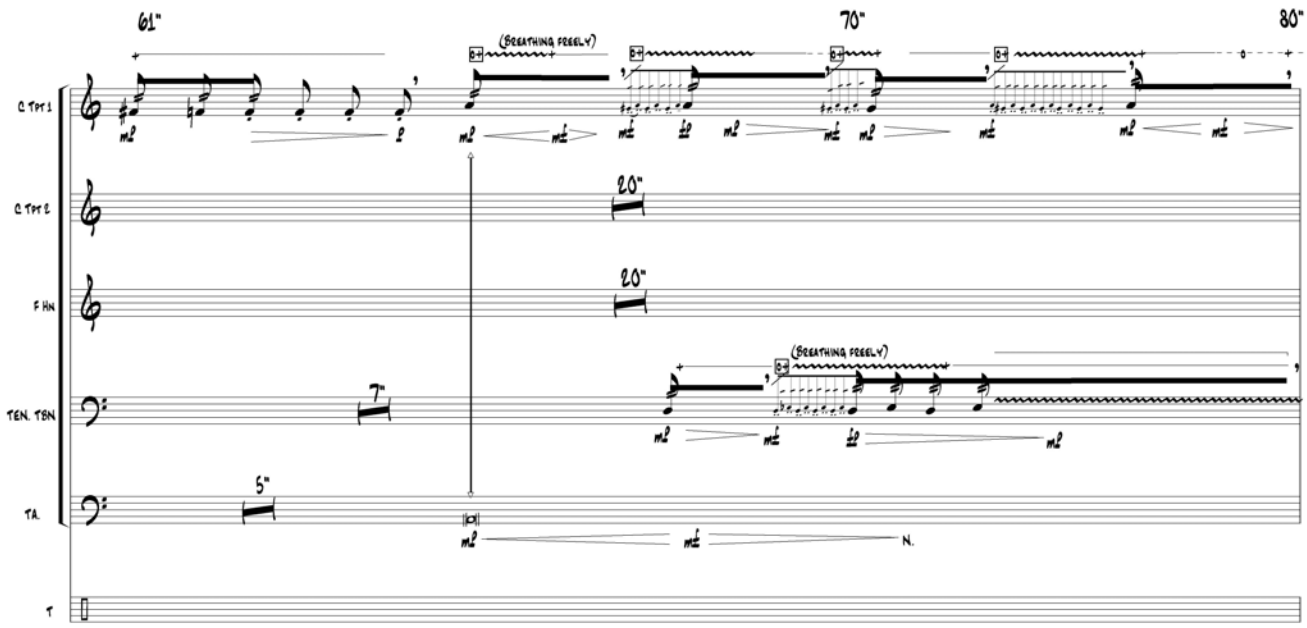
ATTACA

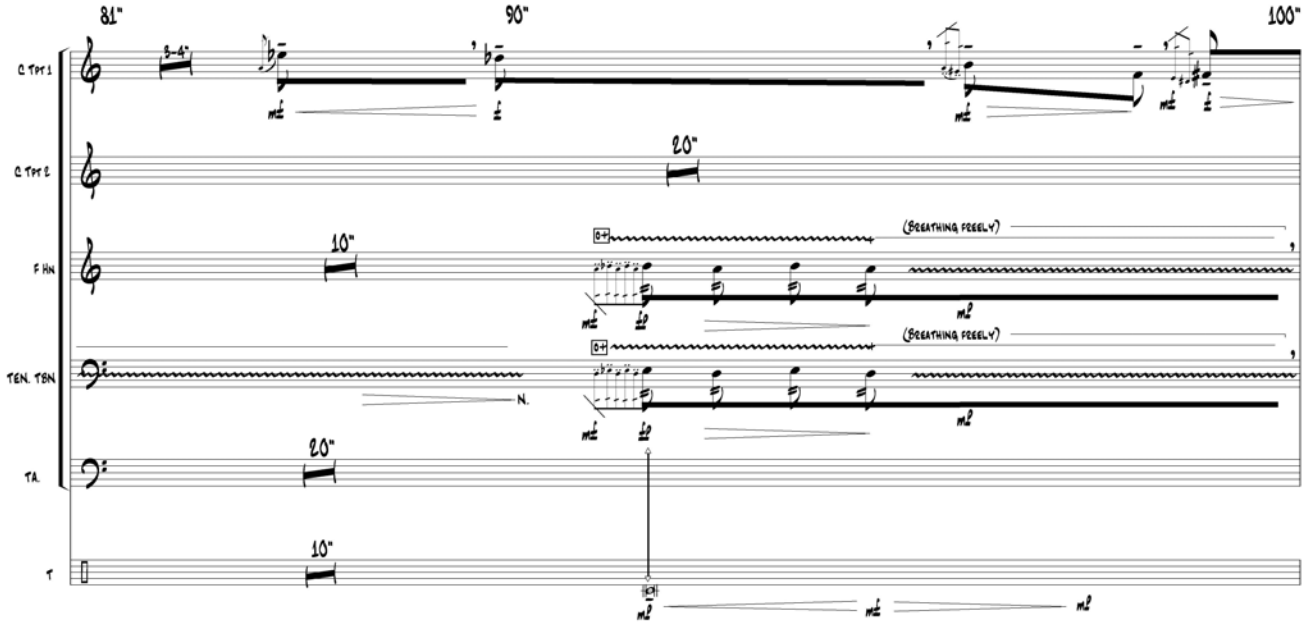

ALL: Breathing freely
Tpt 1,2 Harmon Mute
Ten. Tbn. Plunger Mute
5"
10"
15"
20"
C Tpt 1
C Tpt 2
F Hn
Tenor Trombone
Tuba
1"
Tape
TAPE START: TRACK 2
* Tuba player may play the above gesture
once in free tempo, even with transposed pitch, if desired.

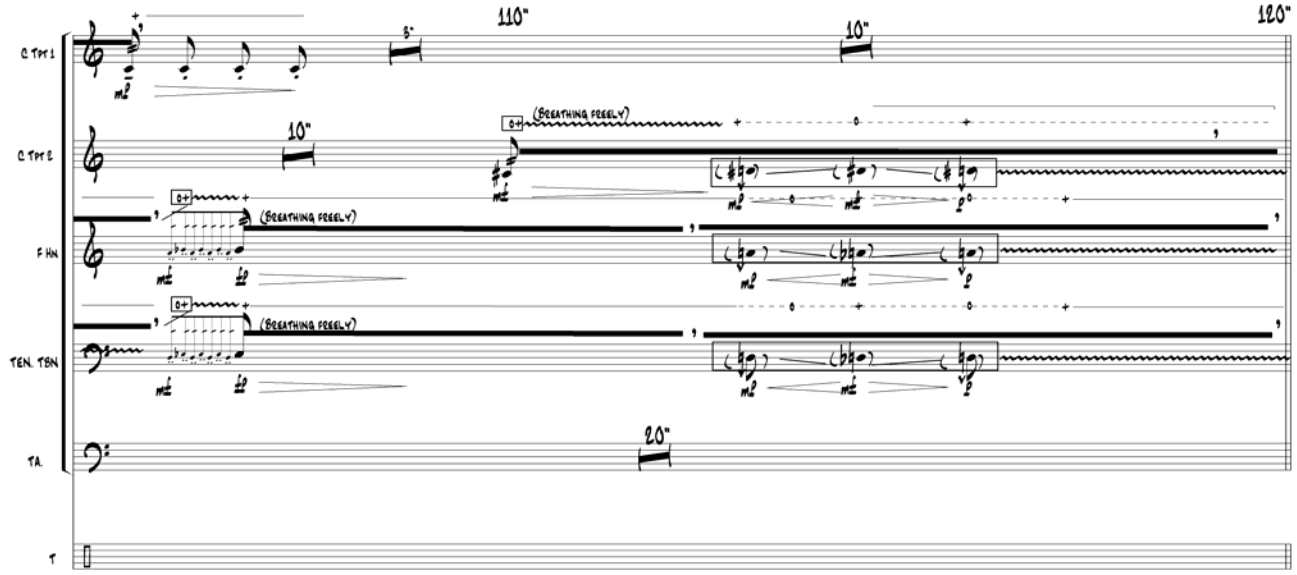

25"
30"
(Breathing freely)
C Tpt 1
C Tpt 2
F Hn
Ten. Tbn
Tb.
T
* Tuba player may play the above gesture
once in free tempo, even with transposed pitch, if desired.

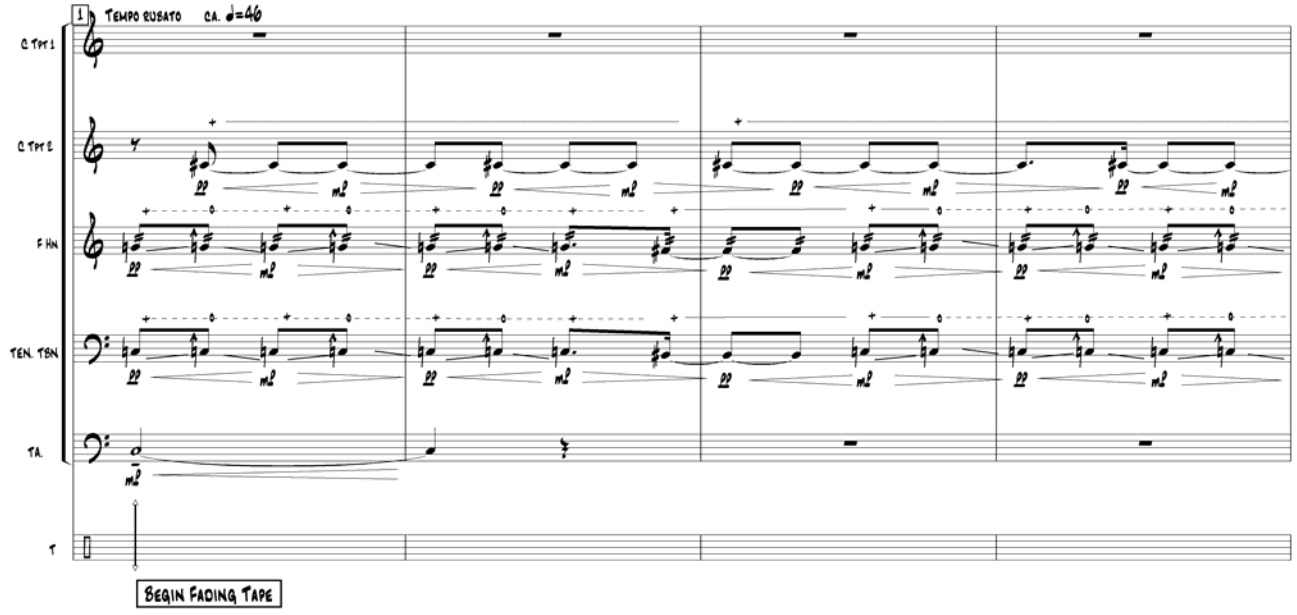

31"
40"
50"
C TPT 1
C TPT 2
F HN
TEN. TBN
TA.
T
(BREATHING FEELLY)
10"
2"
* Tuba player may play above box gesture
once with free tempo, even transposed pitch.

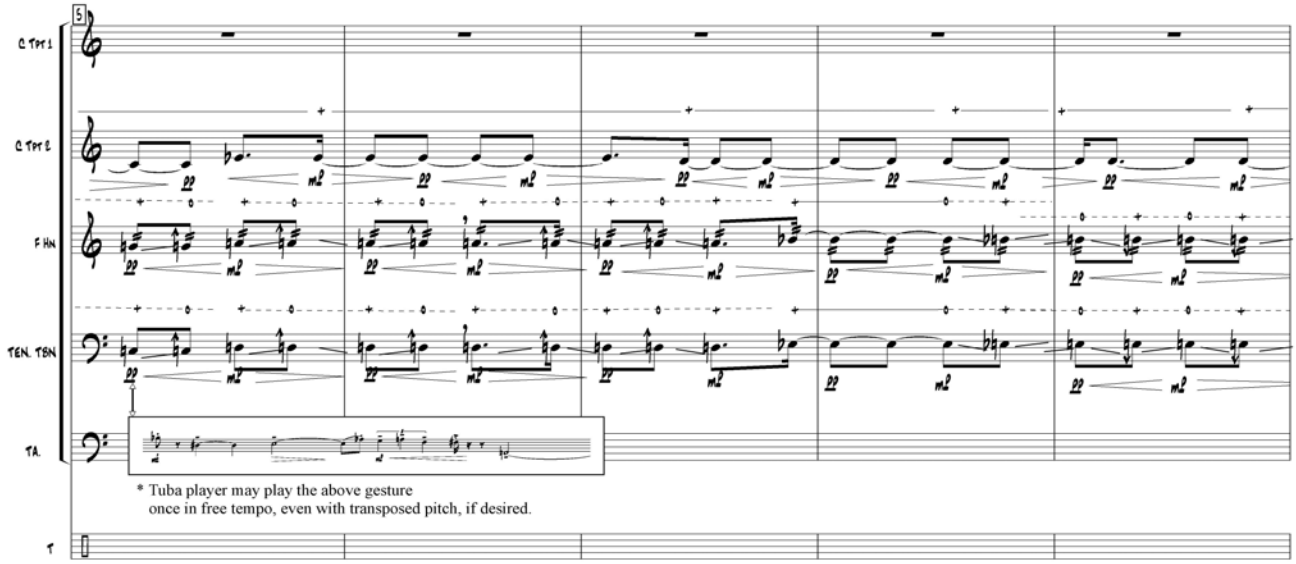

51"
60"
C TPT 1
C TPT 2
F HN
TEN. TBN
TA.
T
(BREATHING FEELLY)
8"
4"
N.

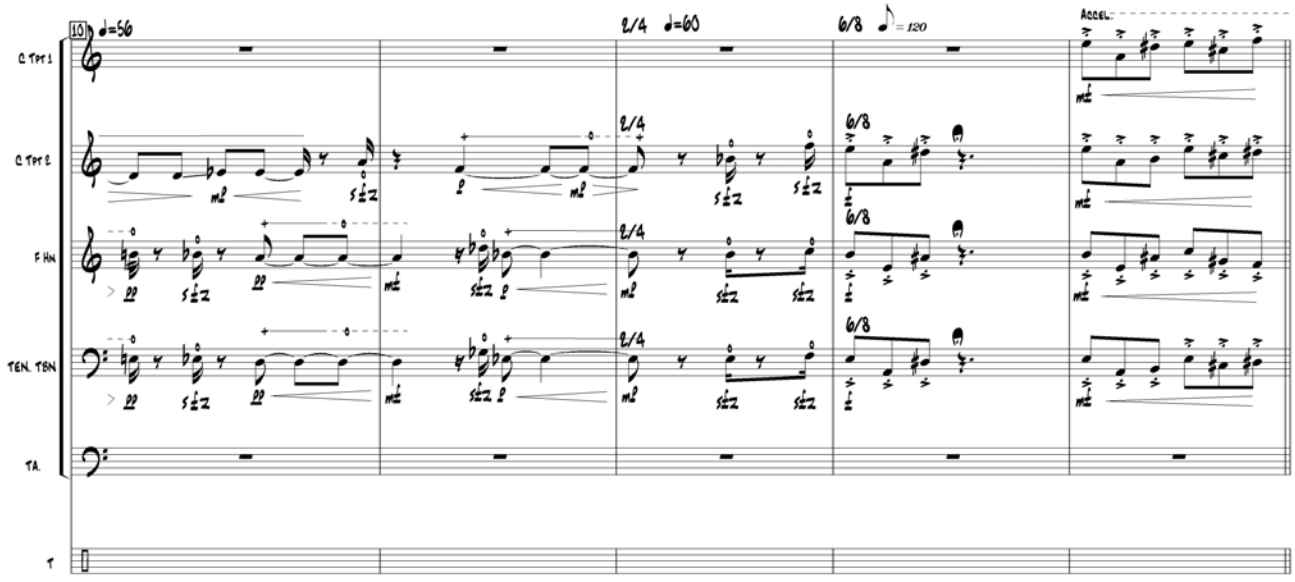

61"
70"
80"
C. TPT 1
C. TPT 2
F HN
TEN. TBN
TA.
T
(BREATHING FEELY)
20"
20"
7"
5"
N.


81"
90"
100"
C. TPT 1
C. TPT 2
F HN
TEN. TBN
TA.
T
3-4"
20"
10"
(BREATHING FEELY)
(BREATHING FEELY)
N.
20"
10"

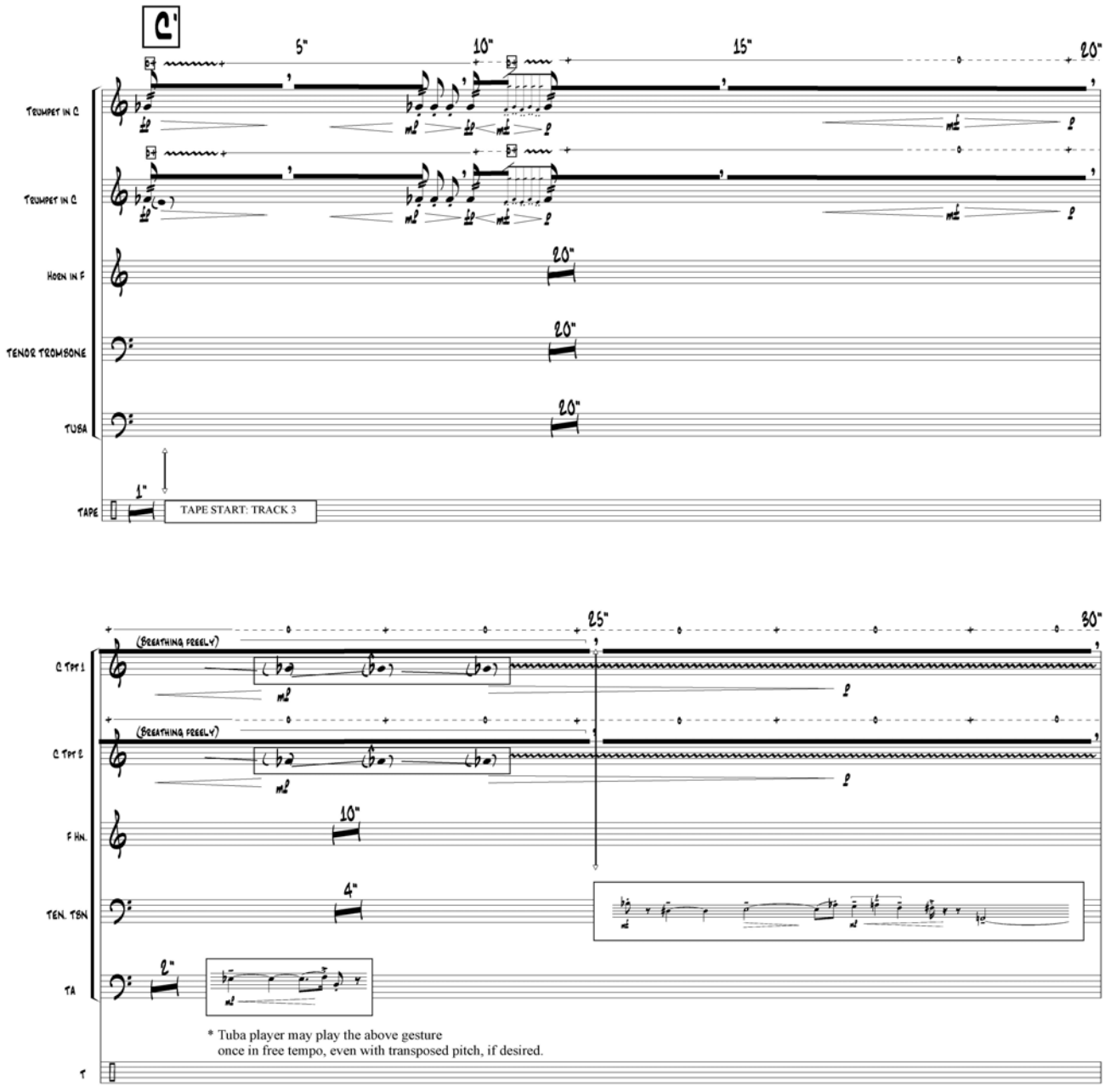

110"
10"
120"
C. Tpt 1
C. Tpt 2
F Hn
Ten. Tbn
Tba.
T
10"
(Breathing freely)
20"

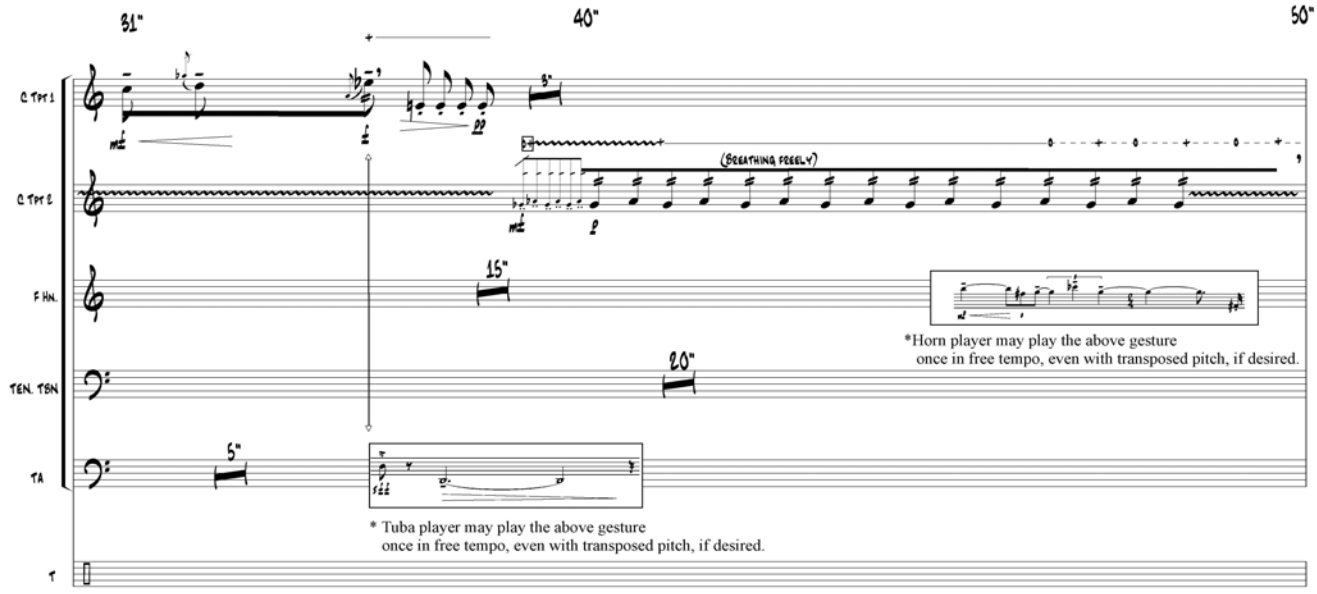

1
Tempo rubato ca. ♩=40
C. Tpt 1
C. Tpt 2
F Hn
Ten. Tbn
Tba.
T
Begin Fading Tape

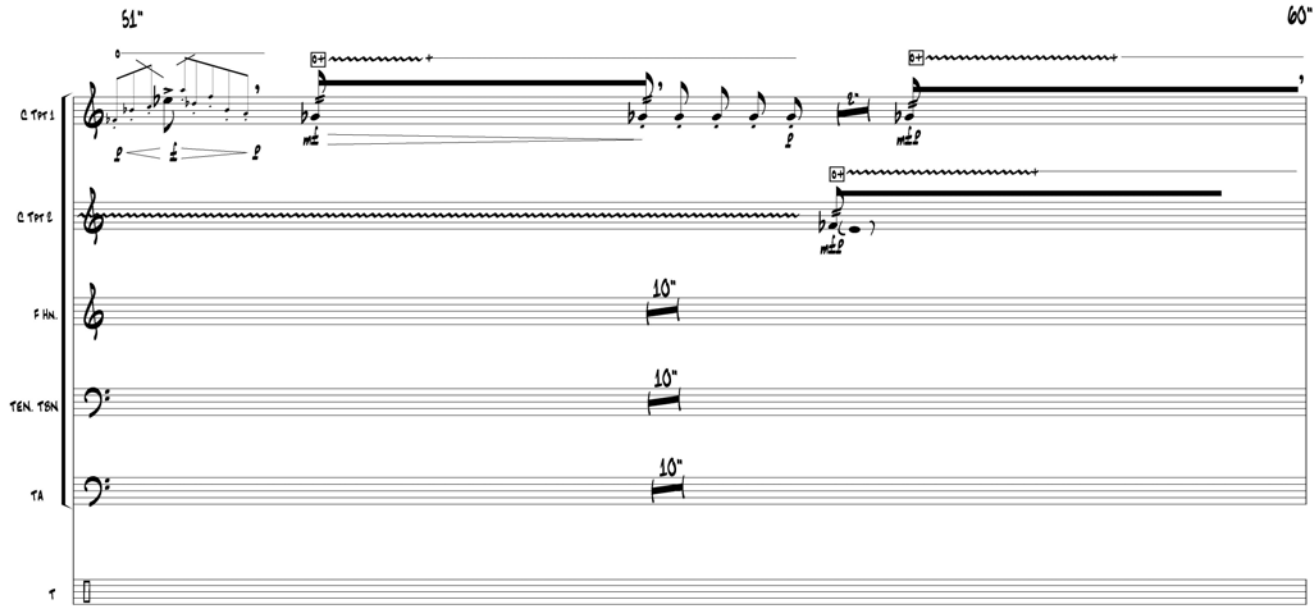

5
C. Tpt 1
C. Tpt 2
F. Hn.
Ten. Tbn.
Tb.
T
* Tuba player may play the above gesture
once in free tempo, even with transposed pitch, if desired.

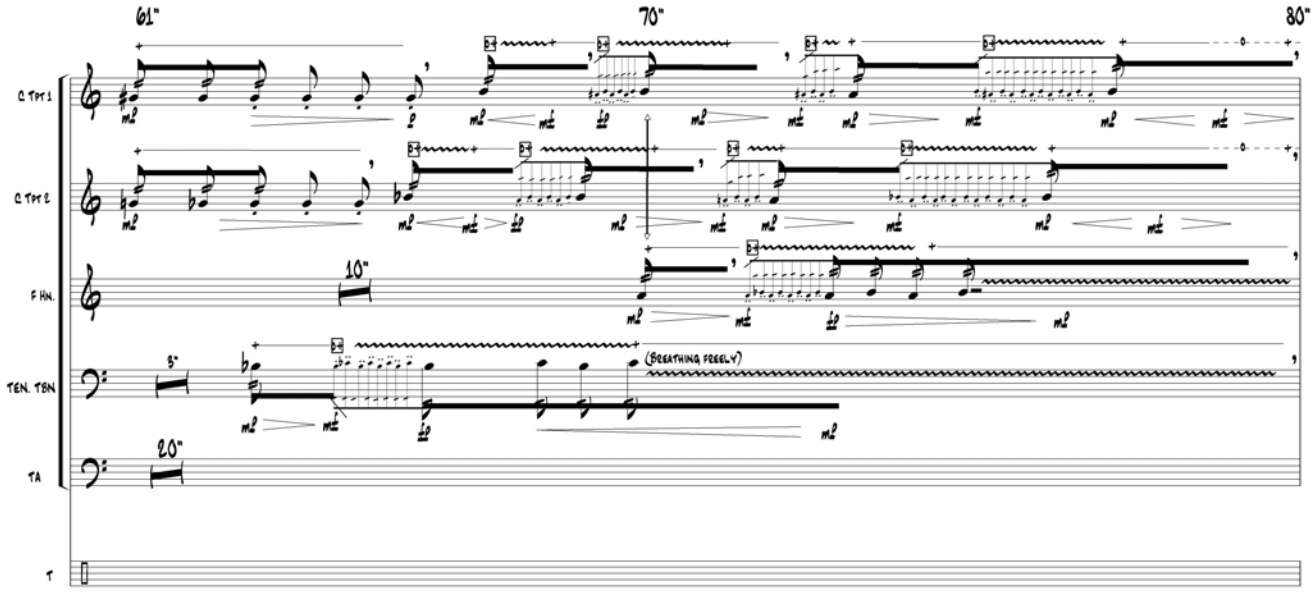

10
♩=56
2/4 ♩=60
6/8 ♪ = 120
Accel.
C. Tpt 1
C. Tpt 2
F. Hn.
Ten. Tbn.
Tb.
T

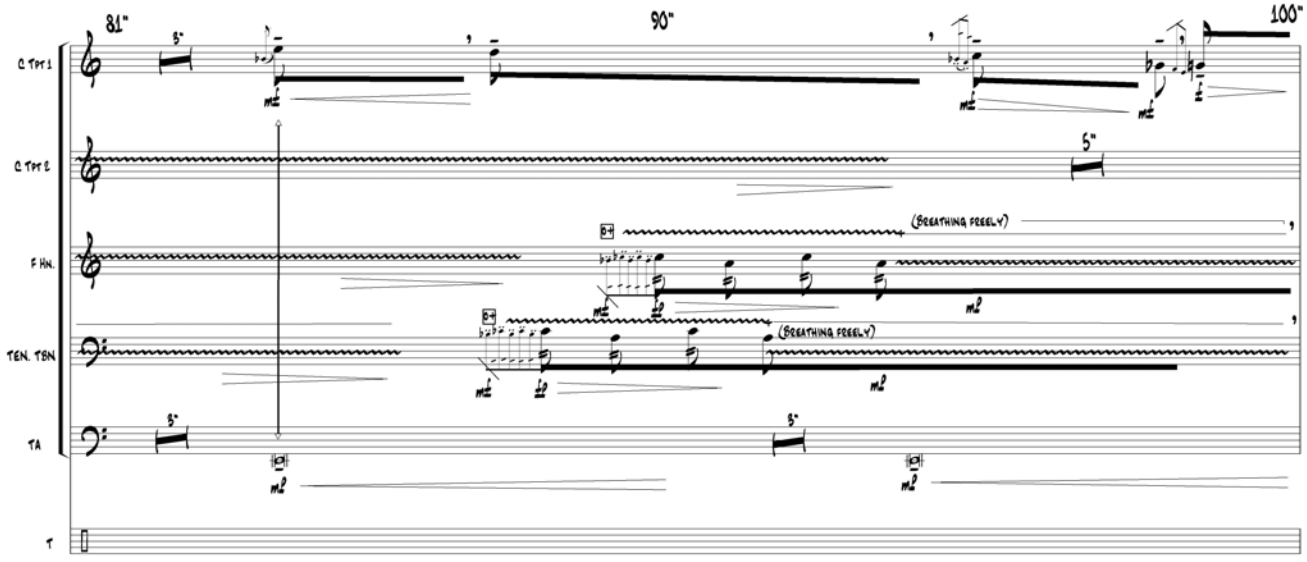
ATTACA

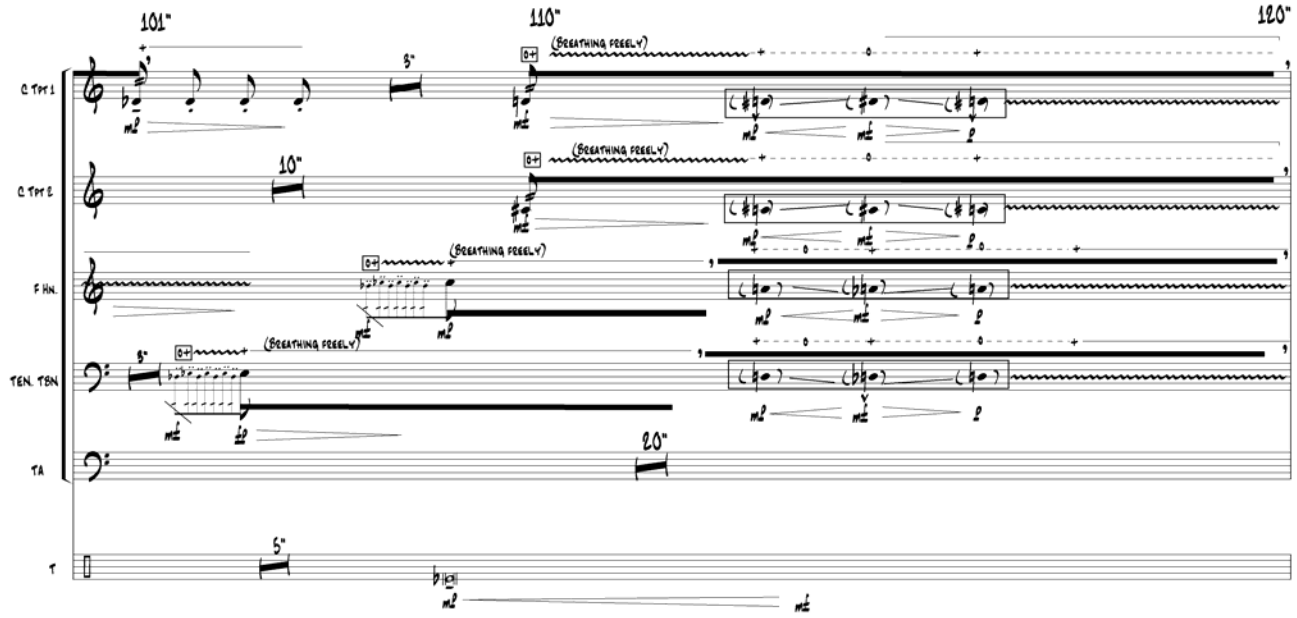

C'
5"
10"
15"
20"
TRUMPET IN C
TRUMPET IN C
HORN IN F
TENOR TROMBONE
TUBA
TAPE
1"
TAPE START: TRACK 3
25"
30"
(BREATHING FREELY)
C TPT 1
(BREATHING FREELY)
C TPT 2
F HN.
TEN. TBN
TA
T
2"
4"
* Tuba player may play the above gesture
once in free tempo, even with transposed pitch, if desired.

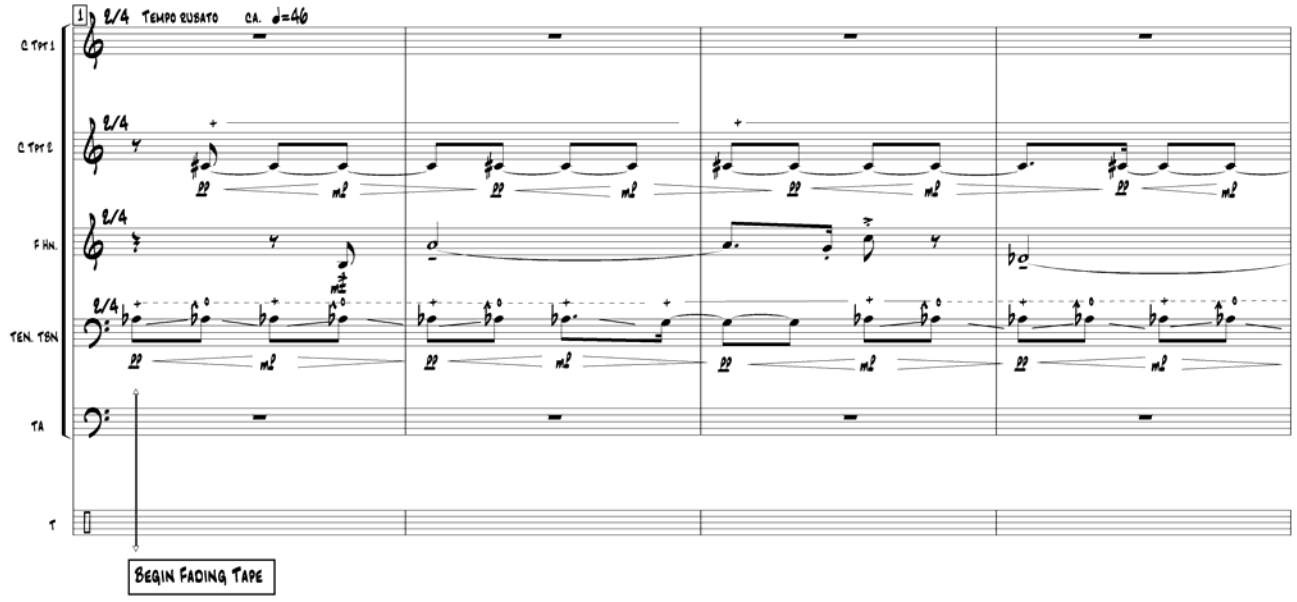

31"
40"
50"
C TPT 1
C TPT 2
F HN.
TEN. TBN
TA
T
(BREATHING FREELY)
15"
20"
5"
*Horn player may play the above gesture
once in free tempo, even with transposed pitch, if desired.
* Tuba player may play the above gesture
once in free tempo, even with transposed pitch, if desired.

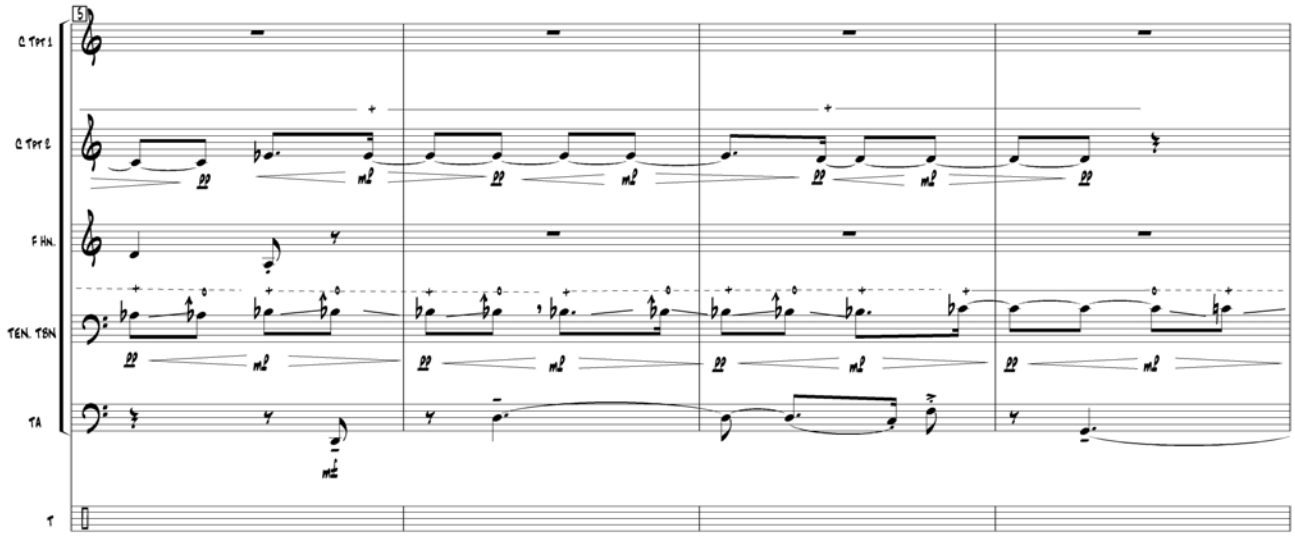

51"
60"
C TPT 1
C TPT 2
F HN.
TEN. TBN
TA
T
10"
10"
10"

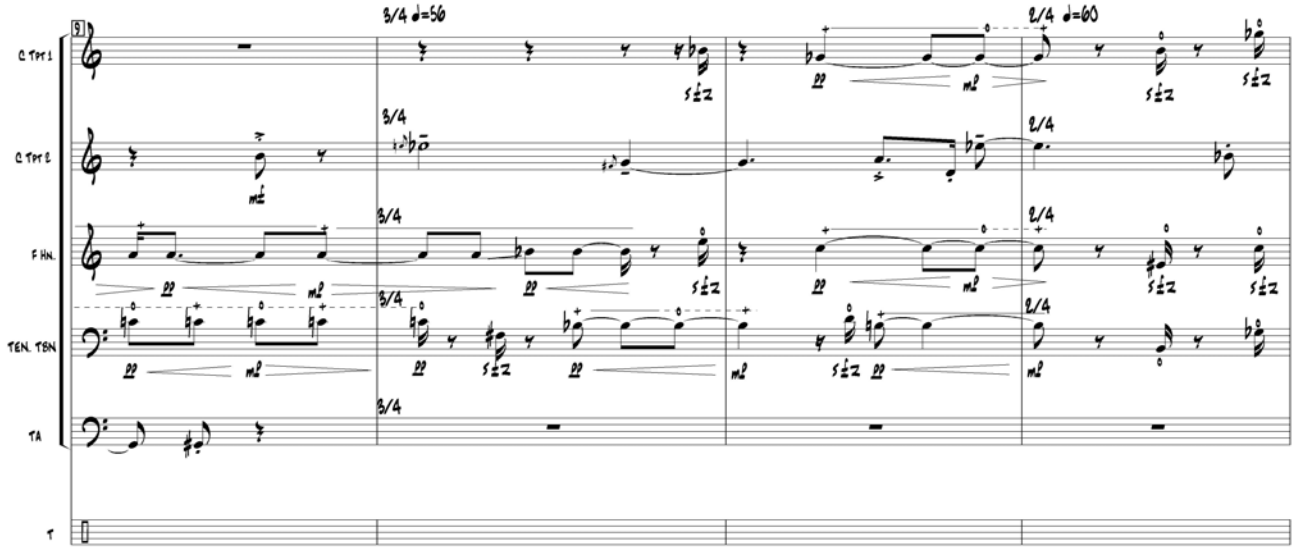

61"
70"
80"
C. TPT 1
C. TPT 2
F HN.
TEN. TBN
TA
T
10"
5"
20"
(BREATHING FEELY)

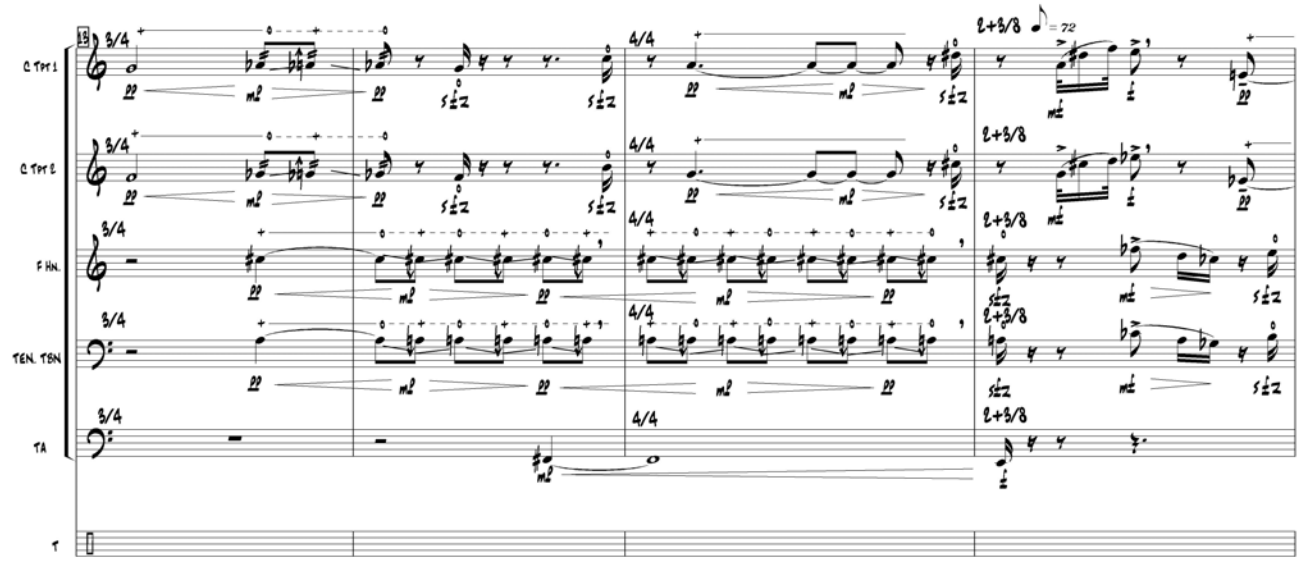

81"
90"
100"
C. TPT 1
C. TPT 2
F HN.
TEN. TBN
TA
T
5"
(BREATHING FEELY)
(BREATHING FEELY)

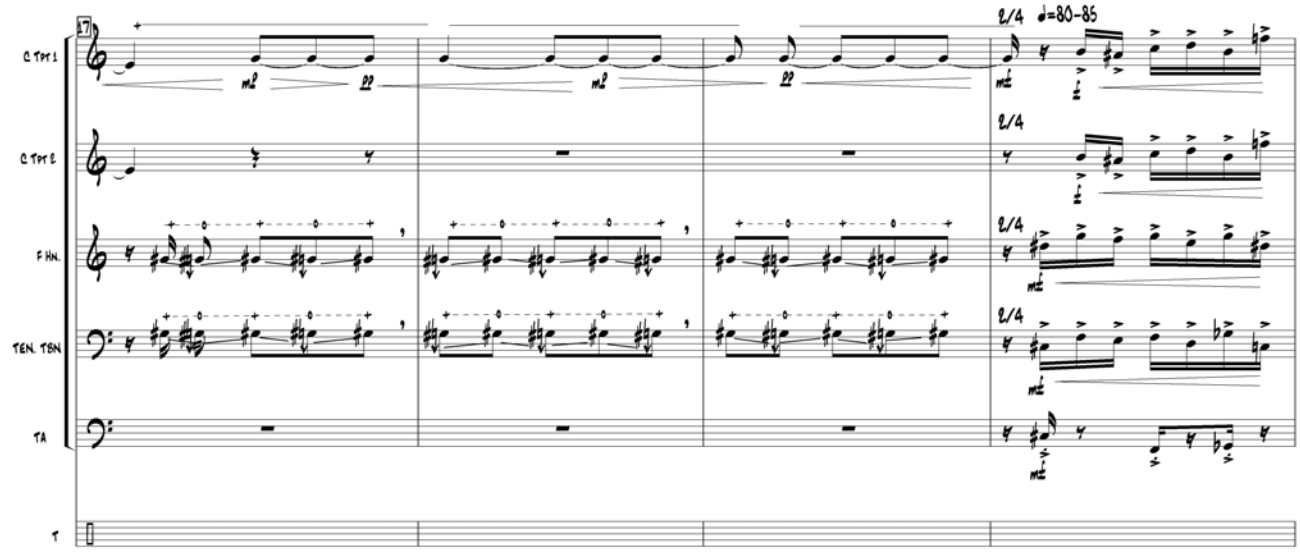

101"
110"
120"
C. Tpt 1
C. Tpt 2
F Hn.
Ten. Tbn.
Tba
T
(Breathing freely)
10"
20"
5"

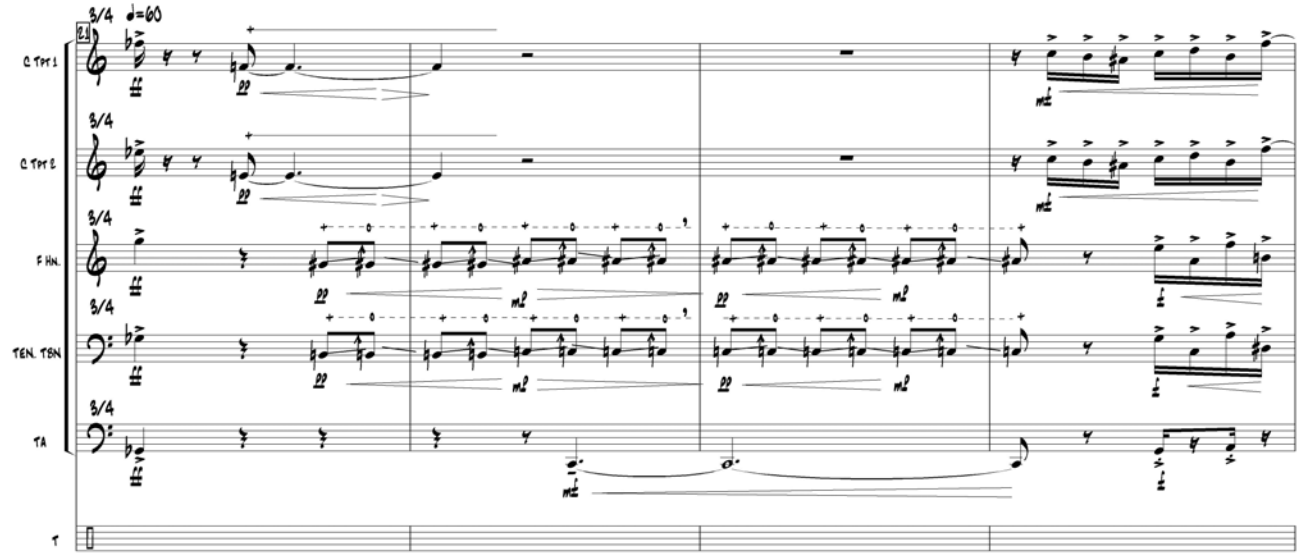

1
2/4 Tempo rubato ca. ♩=46
C. Tpt 1
C. Tpt 2
F Hn.
Ten. Tbn.
Tba
T
Begin Fading Tape

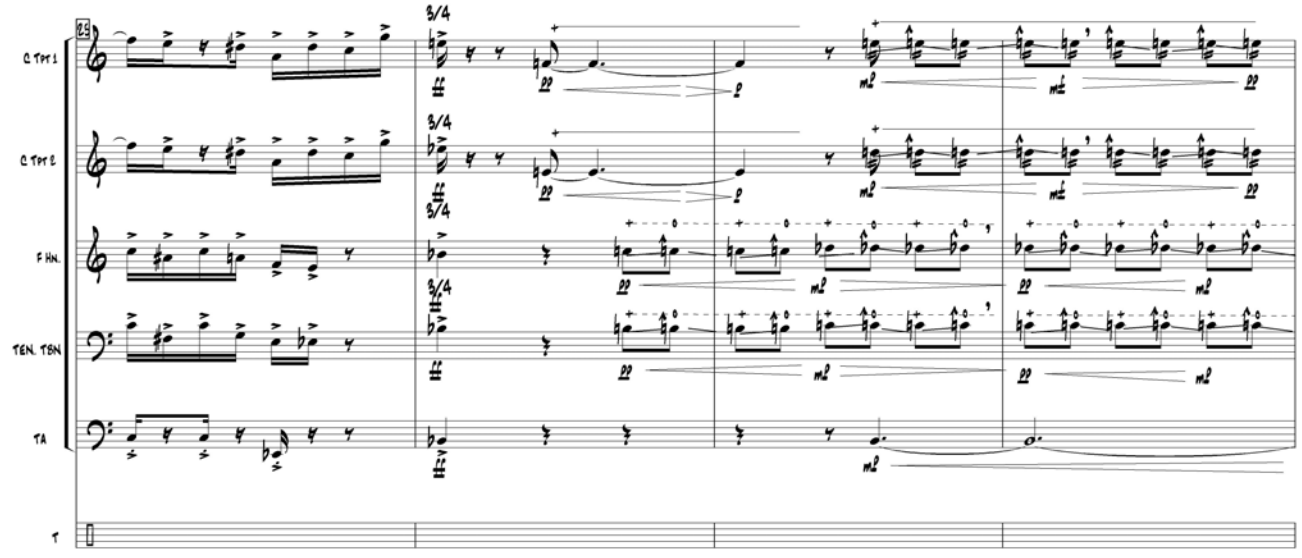

5
C Tpt 1
C Tpt 2
F Hn.
Ten. Tbn
Ta
T

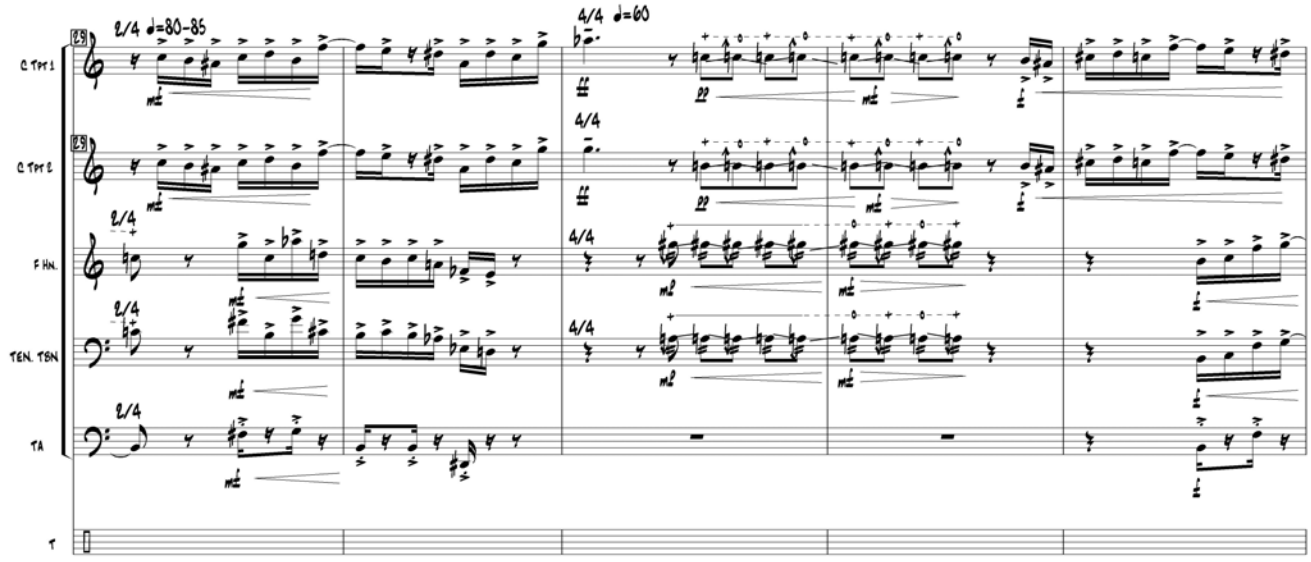

9
3/4 ♩=56
2/4 ♩=60
C Tpt 1
C Tpt 2
F Hn.
Ten. Tbn
Ta
T

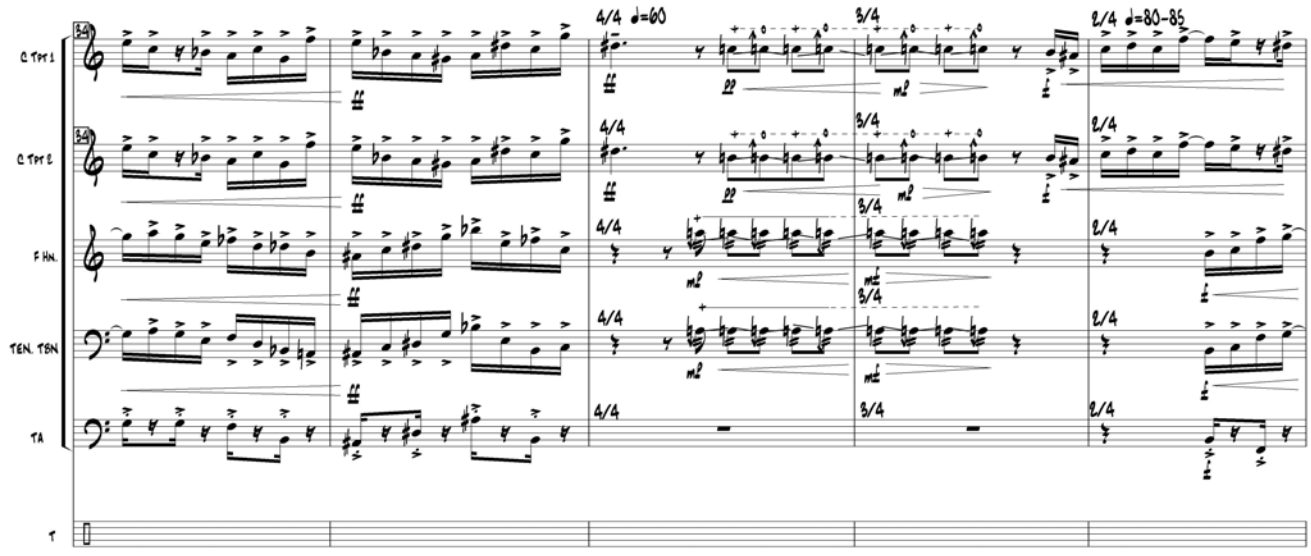

C TPT 1
C TPT 2
F HN.
TEN. TBN
TA
T
3/4
4/4
2+3/8
= 72

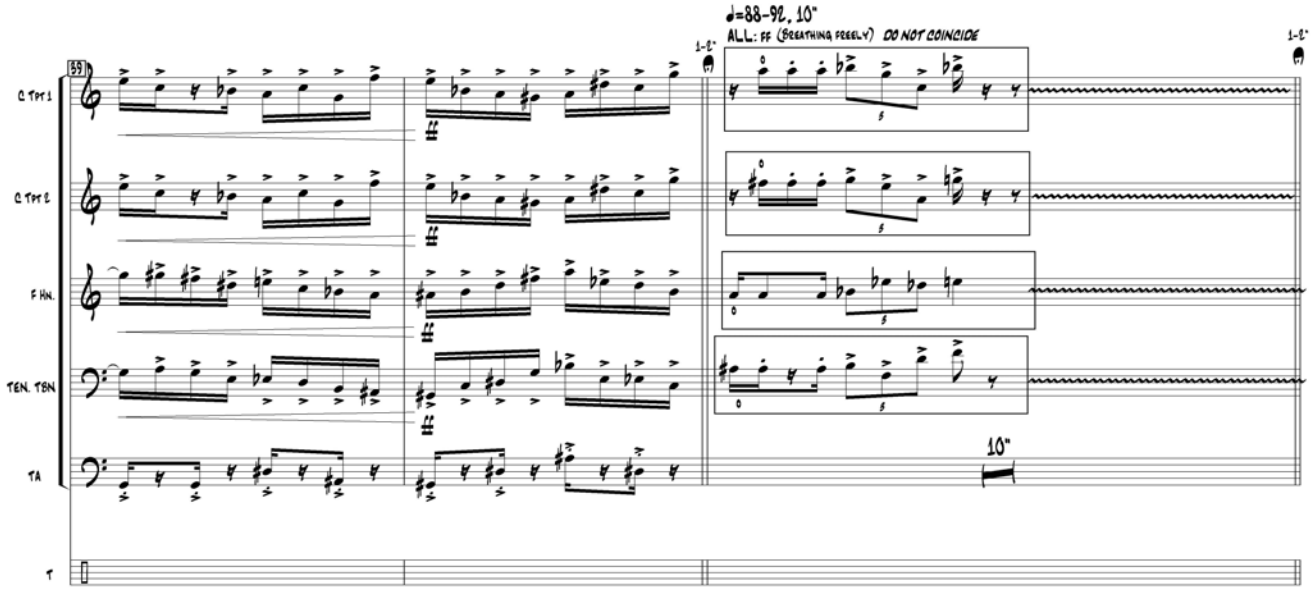

C TPT 1
C TPT 2
F HN.
TEN. TBN
TA
T
2/4
♩=80-85

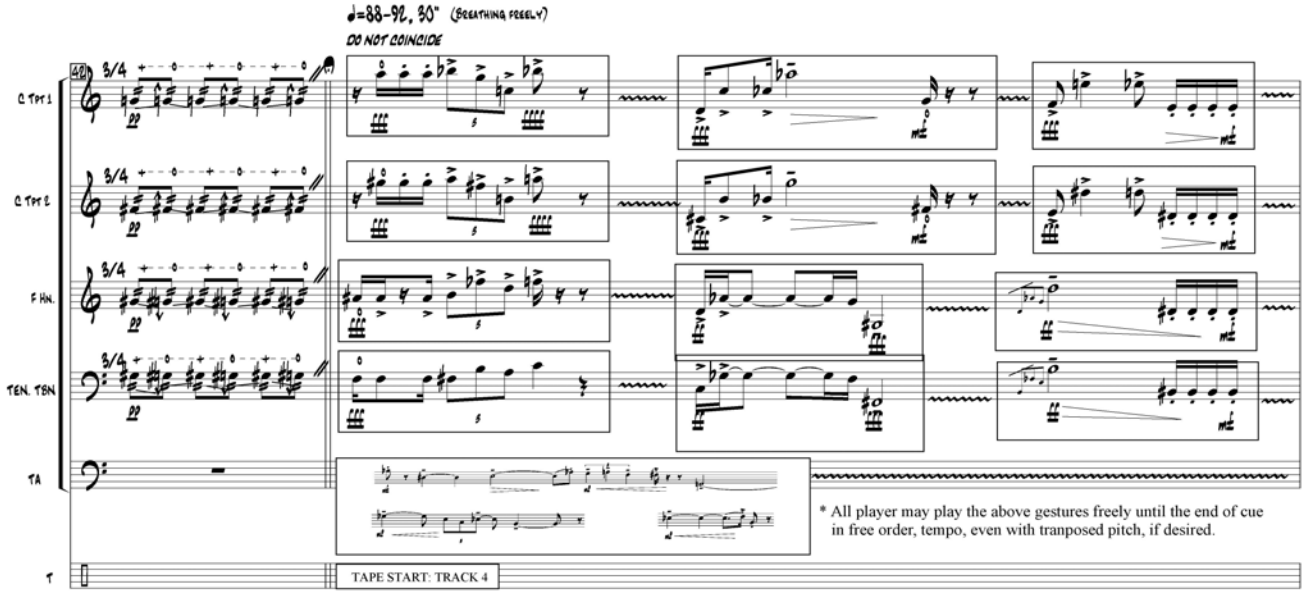

C TPT 1
C TPT 2
F HN.
TEN. TBN
TA
T

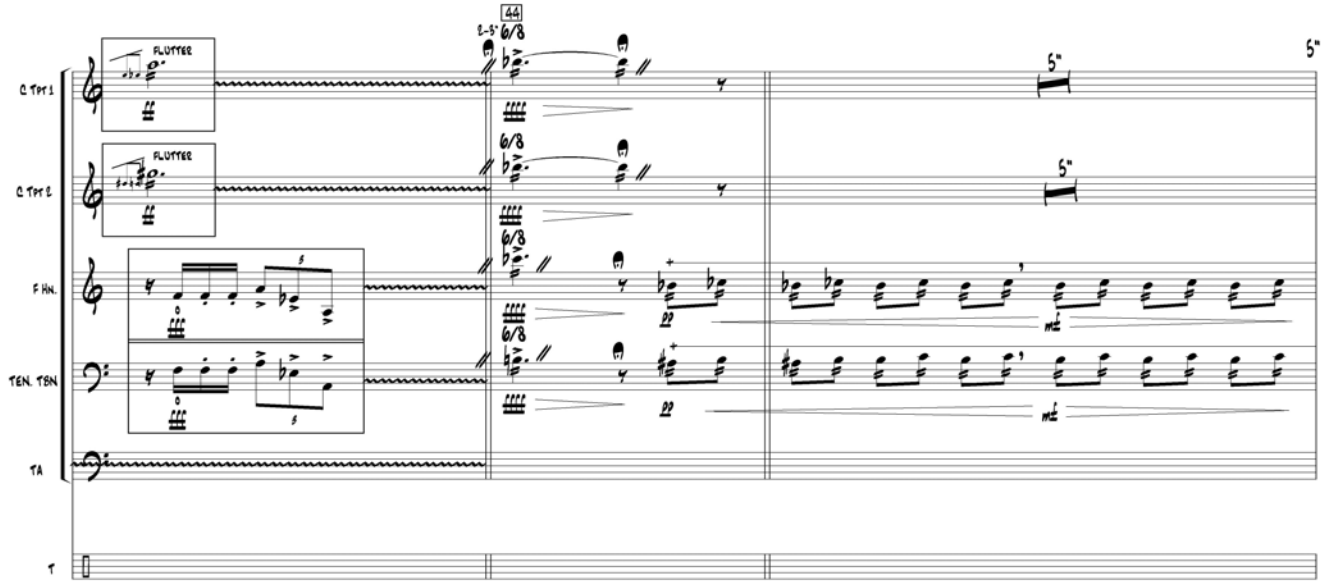

C TPT 1
C TPT 2
F HN.
TEN. TBN
TA
T

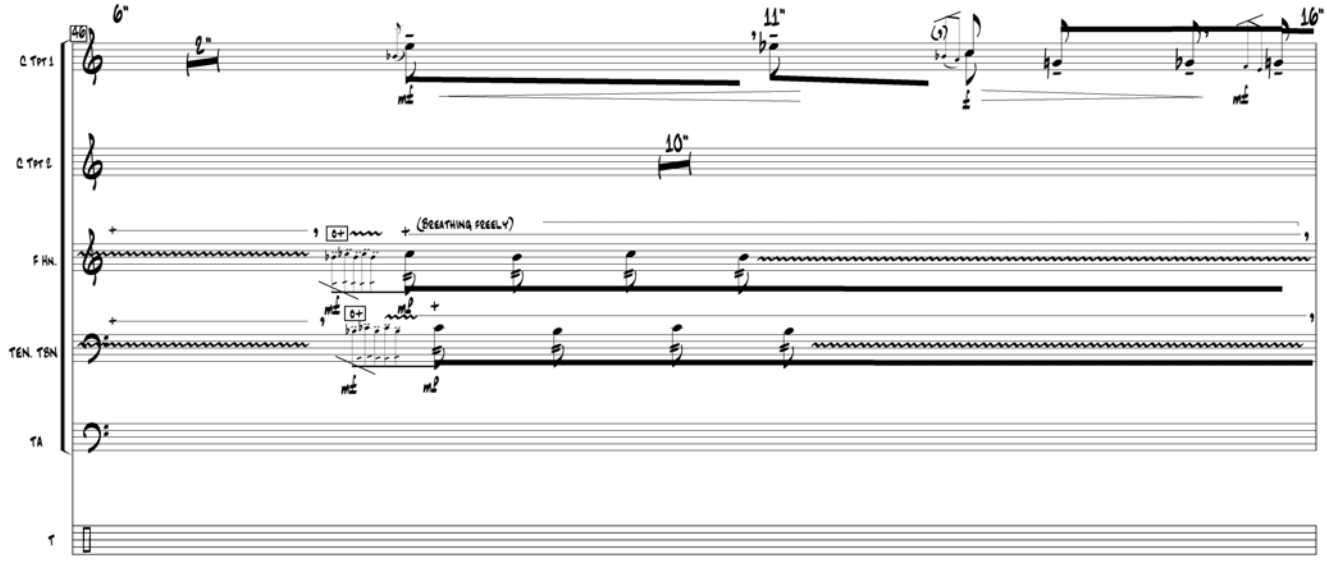

C Tpt 1
C Tpt 2
F Hn.
TEN. TBN
TA
T
2/4 ♩=80-85
4/4 ♩=60

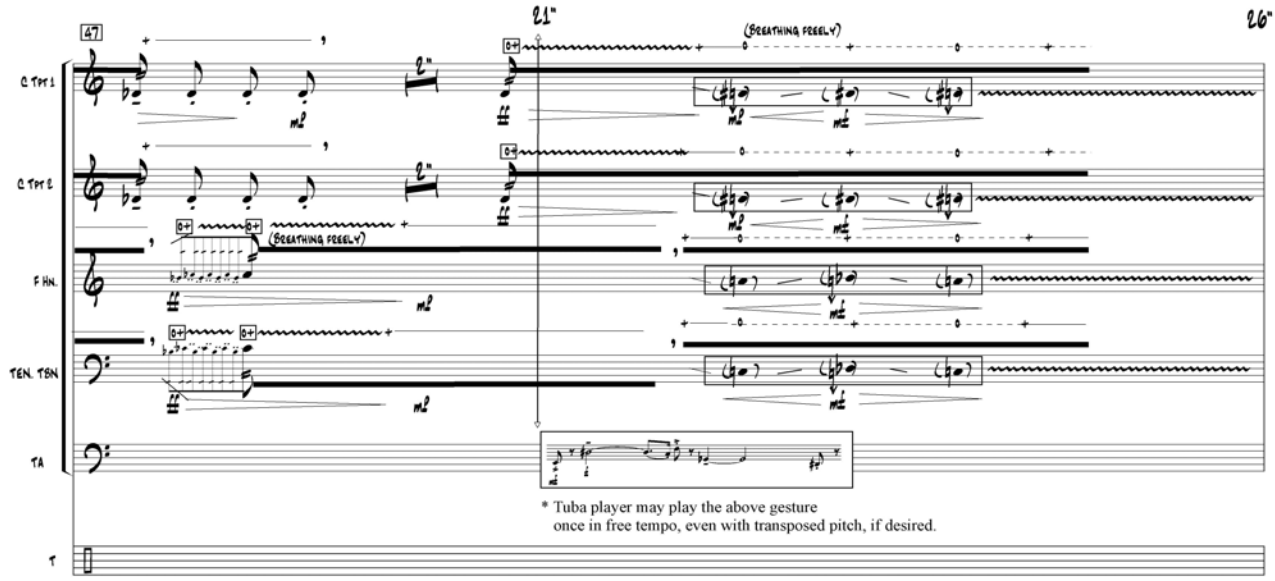

C Tpt 1
C Tpt 2
F Hn.
TEN. TBN
TA
T
4/4 ♩=60
3/4
2/4 ♩=80-85

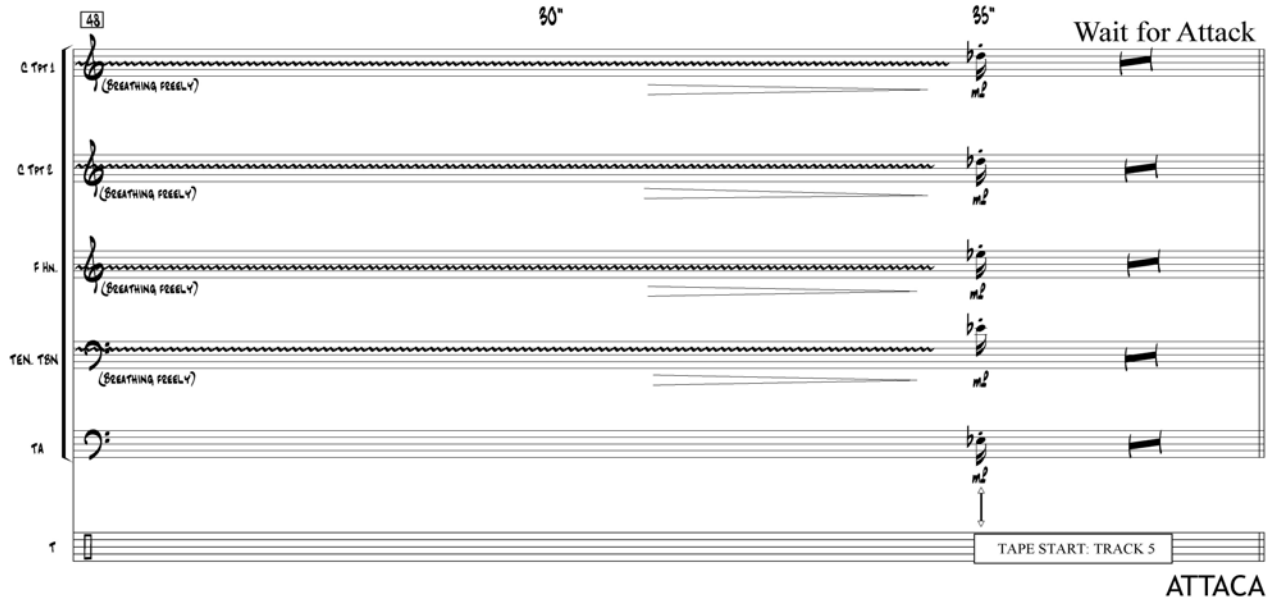

♩=88-92, 10"
ALL: ff (BREATHING FREELY) DO NOT COINCIDE
1-2"
1-2"
59
C. TPT 1
C. TPT 2
F. HN.
TEN. TBN.
TA
10"
T

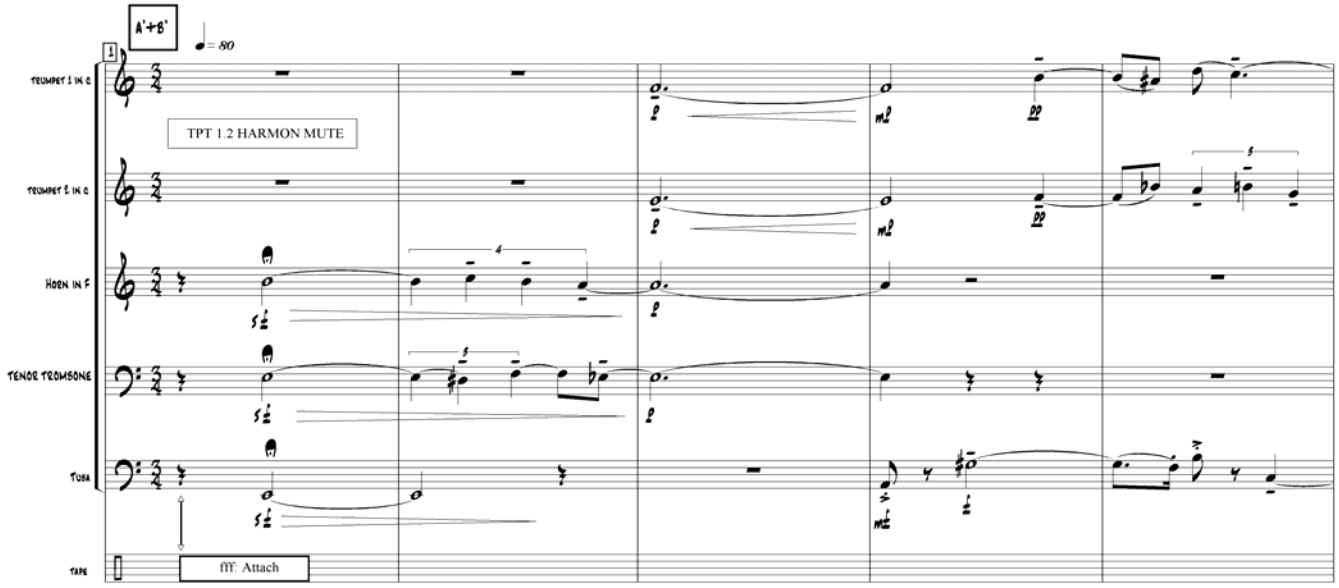

♩=88-92, 30" (BREATHING FREELY)
DO NOT COINCIDE
60
3/4
C. TPT 1
C. TPT 2
F. HN.
TEN. TBN.
TA
* All player may play the above gestures freely until the end of cue in free order, tempo, even with tranposed pitch, if desired.
T
TAPE START: TRACK 4

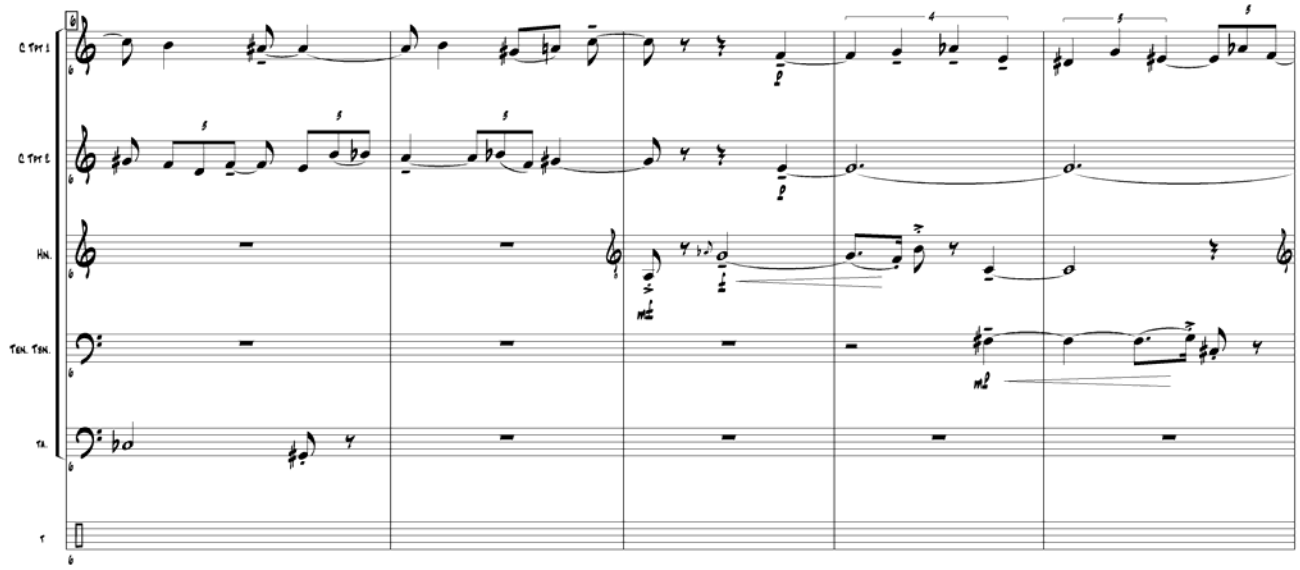

C. TPT 1
C. TPT 2
F HN.
TEN. TBN.
TA
T
FLUTTER
FLUTTER
44
6/8
5"
5"
22
22
mf

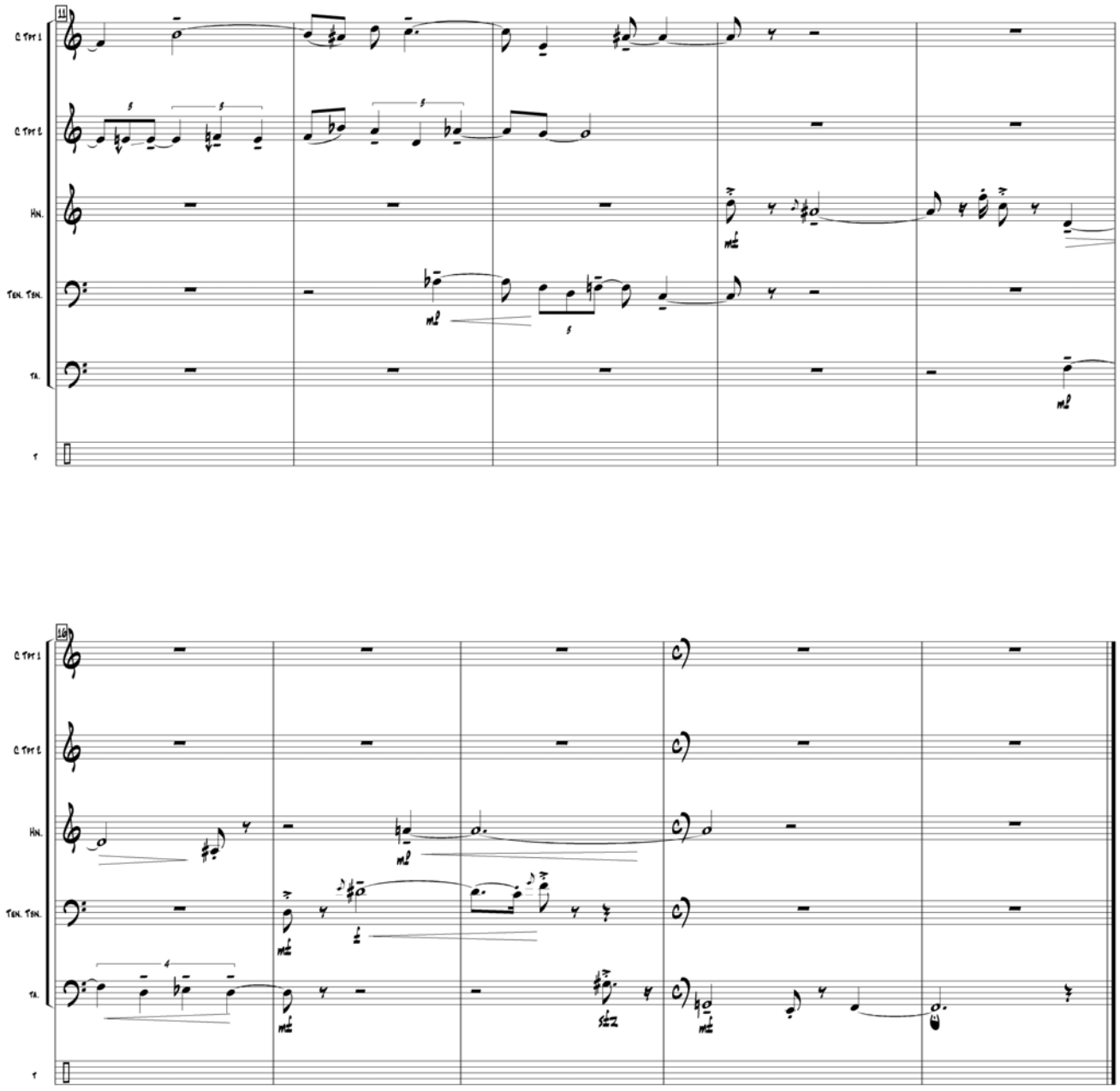

C. TPT 1
C. TPT 2
F HN.
TEN. TBN.
TA
T
46
6"
2"
11"
10"
16"
(BREATHING FREELY)
mf
mp


47
21"
26"
(BREATHING FEELY)
C TPT 1
C TPT 2
F HN.
TEN. TBN
TA
T
* Tuba player may play the above gesture
once in free tempo, even with transposed pitch, if desired.


48
30"
35"
Wait for Attack
C TPT 1
C TPT 2
F HN.
TEN. TBN
TA
T
(BREATHING FEELY)
TAPE START: TRACK 5
ATTACA


A'+B'
♩ = 80
TRUMPET 1 IN C
TRUMPET 2 IN C
HORN IN F
TENOR TROMBONE
TUBA
TAPE
TPT 1.2 HARMON MUTE
fff: Attach


C. TPT 1
C. TPT 2
HN.
TEN. TBN.
TX.
T


11
C. TPT. 1
C. TPT. 2
HN.
TEN. TBN.
TA.
T.
mf
16
C. TPT. 1
C. TPT. 2
HN.
TEN. TBN.
TA.
T.
mf
sfz

Appendix

1. Appendix A – Track 5.orc (Excerpt)
2. Appendix B – Track 5.sco (Excerpt)

1. Appendix A – Track 5.orc

- This .orc file comes from Dr. Pinkston's Csound examples, located on the UTEMS website.

```
        sr      =       44100
        kr      =       4410
        ksmps   =       10
        nchnls  =       2

        instr 1
        ;simple grain producing instrument
        ;optimized for single-period waveshapes (Gen10)
idur    =       p3
iamp    =       p4
icps    =       cpspch(p5)
iphs    =       p6                              ;initial phase of grain
ipan    =       p7
igshape =       p8                              ;function for grain shape
ifn     =       p9                              ;sample function

ilfac   =       sqrt(1-ipan)                    ;simple panning
irfac   =       sqrt(ipan)

aenv    oscili  iamp, 1/idur, igshape           ;create the envelope
asig    oscili  aenv, icps, ifn, iphs           ;make the signal
        outs    asig*ilfac, asig*irfac
        endin

        instr 2
        ;more complex grain producing instr.
        ;for mono samples
idur    =       p3
iamp    =       p4
ipchmod=        p5                              ;pitch mod ratio
istart  =       p6                              ;when to start the grain
ipan    =       p7
igshape =       p8                              ;function for grain shape
ifn     =       p9                              ;sample function
ilength =       p10                             ;length of sample function (in
seconds)

;compensate for different sample rates
ifnsamp =       nsamp(ifn)                      ;get length of function in samples
(no padding)
ifnsr   =       ifnsamp/ilength                 ;get original sample rate
ifnlen  =       ftlen(ifn)                      ;get length of function table
itime   =       ifnlen/ifnsr                    ;time to play entire table

icps    =       (ipchmod*ifnsr)/(itime*sr)      ;calculate the playback speed

;determine starting position
iphs    =       istart/itime                    ;calculate initial phase

ilfac   =       sqrt(1-ipan)                    ;simple panning
```

```
irfac   =       sqrt(ipan)

aenv    oscili  iamp, 1/idur, igshape                  ;create the envelope
asig    oscili  aenv, icps, ifn, iphs                  ;make the signal
        outs    asig*ilfac, asig*irfac
        endin
```

2. Appendix A – Track 5.orc

- This .sco file comes from Dr. Pinkston's Csound examples, located on the UTEMS website.

- Because the original .sco file is close to one thousand pages in length, I have cited only certain sections.

- A file was generated by CMask

```
f1 0 8192 10 1

;sample file
f2 0 262144 -1 "mutedTPT.wav" 0 0 0

;grain envelope
f10 0 512 7 0 256 1 256 0


; ------- begin of field 1 --- seconds: 0.00 - 5.00 --------
;ins        time       dur        p4         p5         p6         p7         p8         p9

i1         0          0.1        2000       8.06       0.08631    0.11594    10         1
i1         0.08857    0.1        2283.424   8.06       0.66631    0.91424    10         1
i1         0.16039    0.1        2513.248   8.06       0.802      0.80047    10         1
i1         0.18814    0.1        2602.048   8.06       0.34025    0.19359    10         1
i1         0.21127    0.1        2676.064   8.06       0.28755    0.6931     10         1
i1         0.26505    0.1        2848.16    8.06       0.78442    0.74984    10         1
i1         0.33739    0.1        3079.648   8.06       0.53618    0.60691    10         1
i1         0.38743    0.1        3239.776   8.06       0.04578    0.6967     10         1
i1         0.43861    0.1        3403.552   8.06       0.46974    0.57999    10         1
i1         0.50179    0.1        3605.728   8.06       0.09601    0.60064    10         1
i1         0.56456    0.1        3806.592   8.06       0.76775    0.76415    10         1
i1         0.61199    0.1        3958.368   8.06       0.27586    0.78096    10         1
i1         0.70326    0.1        4250.432   8.06       0.9949     0.97355    10         1
i1         0.79328    0.1        4538.496   8.06       0.45634    0.91536    10         1
i1         0.89146    0.1        4852.672   8.06       0.20029    0.91095    10         1
i1         0.95606    0.1        5059.392   8.06       0.9967     0.98261    10         1
i1         1.0266     0.1        5285.12    8.06       0.27705    0.9918     10         1
i1         1.12541    0.1        5601.312   8.06       0.43703    0.96164    10         1
i1         1.15427    0.1        5693.664   8.06       0.56337    0.95503    10         1
i1         1.18327    0.1        5786.464   8.06       0.86129    0.9474     10         1
i1         1.25778    0.1        6024.896   8.06       0.81375    0.92331    10         1
i1         1.31264    0.1        6200.448   8.06       0.87985    0.90487    10         1
i1         1.3676     0.1        6376.32    8.06       0.14292    0.91845    10         1
i1         1.3888     0.1        6444.16    8.06       0.08615    0.91018    10         1
i1         1.43018    0.1        6576.576   8.06       0.22312    0.88063    10         1
i1         1.50948    0.1        6830.336   8.06       0.5103     0.87806    10         1
i1         1.56293    0.1        7001.376   8.06       0.27076    0.8299     10         1
i1         1.63059    0.1        7217.888   8.06       0.90414    0.85447    10         1
i1         1.67186    0.1        7349.952   8.06       0.56844    0.84563    10         1
i1         1.74902    0.1        7596.864   8.06       0.51845    0.76365    10         1
i1         1.78025    0.1        7696.8     8.06       0.80413    0.81486    10         1
i1         1.80145    0.1        7764.64    8.06       0.24928    0.77936    10         1
i1         1.85324    0.1        7930.368   8.06       0.75069    0.78309    10         1
i1         1.86482    0.1        7967.424   8.06       0.51268    0.76965    10         1
i1         1.91839    0.1        8138.848   8.06       0.12665    0.72992    10         1
i1         1.96793    0.1        8297.376   8.06       0.83111    0.77563    10         1
i1         2.04448    0.1        8542.336   8.06       0.2508     0.73297    10         1
i1         2.10617    0.1        8739.744   8.06       0.75259    0.76857    10         1
i1         2.12804    0.1        8809.728   8.06       0.70251    0.63058    10         1
i1         2.17513    0.1        8960.416   8.06       0.253      0.65383    10         1
i1         2.2334     0.1        9146.88    8.06       0.00305    0.67664    10         1
i1         2.27066    0.1        9266.112   8.06       0.06763    0.74099    10         1
i1         2.35052    0.1        9521.664   8.06       0.7138     0.65893    10         1
i1         2.37103    0.1        9587.296   8.06       0.33244    0.66645    10         1
```

```
i1	2.44383	0.1	9820.256	8.06	0.6801	0.68135	10	1
i1	2.52144	0.1	9939.968	8.06	0.36769	0.58118	10	1
i1	2.56373	0.1	9821.556	8.06	0.81402	0.52469	10	1
i1	2.59685	0.1	9728.82	8.06	0.27821	0.62015	10	1
i1	2.6728	0.1	9516.16	8.06	0.17179	0.49159	10	1
i1	2.70077	0.1	9437.844	8.06	0.15116	0.65191	10	1
i1	2.76591	0.1	9255.452	8.06	0.52736	0.45696	10	1
i1	2.81462	0.1	9119.064	8.06	0.8815	0.5931	10	1
i1	2.86404	0.1	8980.688	8.06	0.53829	0.54036	10	1
i1	2.92473	0.1	8810.756	8.06	0.91784	0.46747	10	1
i1	2.9762	0.1	8666.64	8.06	0.326	0.57989	10	1
i1	3.03597	0.1	8499.284	8.06	0.37678	0.50401	10	1
i1	3.12348	0.1	8254.256	8.06	0.21928	0.40346	10	1
i1	3.14796	0.1	8185.712	8.06	0.8923	0.39101	10	1
i1	3.15982	0.1	8152.504	8.06	0.91644	0.60475	10	1
i1	3.19065	0.1	8066.18	8.06	0.12912	0.43568	10	1
i1	3.2018	0.1	8034.96	8.06	0.78011	0.44355	10	1
i1	3.29108	0.1	7784.976	8.06	0.96371	0.61656	10	1
i1	3.33479	0.1	7662.588	8.06	0.76592	0.40973	10	1
i1	3.37663	0.1	7545.436	8.06	0.80358	0.43214	10	1
i1	3.40749	0.1	7459.028	8.06	0.97647	0.56928	10	1
i1	3.48706	0.1	7236.232	8.06	0.24912	0.44472	10	1
i1	3.56525	0.1	7017.3	8.06	0.40043	0.40897	10	1
i1	3.63742	0.1	6815.224	8.06	0.17344	0.55873	10	1
i1	3.70252	0.1	6632.944	8.06	0.41835	0.61047	10	1
i1	3.7666	0.1	6453.52	8.06	0.18589	0.66285	10	1
i1	3.80575	0.1	6343.9	8.06	0.50542	0.59978	10	1
i1	3.88617	0.1	6118.724	8.06	0.22349	0.70495	10	1
i1	3.93182	0.1	5990.904	8.06	0.61544	0.25784	10	1
i1	3.97638	0.1	5866.136	8.06	0.55953	0.37567	10	1
i1	3.99928	0.1	5802.016	8.06	0.36039	0.55902	10	1
i1	4.08969	0.1	5548.868	8.06	0.70421	0.44499	10	1
i1	4.16628	0.1	5334.416	8.06	0.68392	0.25582	10	1
i1	4.21783	0.1	5190.076	8.06	0.37346	0.54214	10	1
i1	4.28084	0.1	5013.648	8.06	0.63909	0.73041	10	1
i1	4.31939	0.1	4905.708	8.06	0.79354	0.29217	10	1
i1	4.39778	0.1	4686.216	8.06	0.49721	0.78914	10	1
i1	4.41754	0.1	4630.888	8.06	0.96692	0.28681	10	1
i1	4.49658	0.1	4409.576	8.06	0.10556	0.64983	10	1
i1	4.57973	0.1	4176.756	8.06	0.02234	0.37691	10	1
i1	4.61343	0.1	4082.396	8.06	0.56099	0.67597	10	1
i1	4.64462	0.1	3995.064	8.06	0.28687	0.49166	10	1
i1	4.66821	0.1	3929.012	8.06	0.23853	0.92348	10	1
i1	4.71882	0.1	3787.304	8.06	0.11975	0.82066	10	1
i1	4.73525	0.1	3741.3	8.06	0.39421	0.38975	10	1
i1	4.76374	0.1	3661.528	8.06	0.72094	0.19548	10	1
i1	4.78	0.1	3616	8.06	0.31455	0.95358	10	1
i1	4.84921	0.1	3422.212	8.06	0.9346	0.84223	10	1
i1	4.88982	0.1	3308.504	8.06	0.6972	0.76684	10	1
i1	4.92633	0.1	3206.276	8.06	0.3965	0.44703	10	1
i1	4.95539	0.1	3124.908	8.06	0.9812	0.88842	10	1

; ------- end of field 1 --- number of events: 95 -------

; ------- begin of field 2 --- seconds: 5.00 - 10.00 --------
;ins	time	dur	p4	p5	p6	p7	p8	p9

i1	5	0.1	3000	8.06	0.08631	0.11594	10	1
i1	5.08857	0.1	3000	8.06	0.66631	0.91424	10	1
i1	5.16039	0.1	3000	8.06	0.802	0.80047	10	1
i1	5.18814	0.1	3000	8.06	0.34025	0.19359	10	1
i1	5.21127	0.1	3000	8.06	0.28755	0.6931	10	1
i1	5.26505	0.1	3000	8.06	0.78442	0.74984	10	1
i1	5.33739	0.1	3000	8.06	0.53618	0.60691	10	1
i1	5.38743	0.1	3000	8.06	0.04578	0.6967	10	1
i1	5.43861	0.1	3000	8.06	0.46974	0.57999	10	1
i1	5.50179	0.1	3000	8.06	0.09601	0.60064	10	1
i1	5.56456	0.1	3000	8.06	0.76775	0.76415	10	1
```

il	5.61199	0.1	3000	8.06	0.27586	0.78096	10	1
il	5.70326	0.1	3000	8.06	0.9949	0.97355	10	1
il	5.79328	0.1	3000	8.06	0.45634	0.91536	10	1
il	5.89146	0.1	3000	8.06	0.20029	0.91095	10	1
il	5.95606	0.1	3000	8.06	0.9967	0.98261	10	1
il	6.0266	0.1	3000	8.06	0.27705	0.9918	10	1
il	6.12541	0.1	3000	8.06	0.43703	0.96164	10	1
il	6.15427	0.1	3000	8.06	0.56337	0.95503	10	1
il	6.18327	0.1	3000	8.06	0.86129	0.9474	10	1
il	6.25778	0.1	3000	8.06	0.81375	0.92331	10	1
il	6.31264	0.1	3000	8.06	0.87985	0.90487	10	1
il	6.3676	0.1	3000	8.06	0.14292	0.91845	10	1
il	6.3888	0.1	3000	8.06	0.08615	0.91018	10	1
il	6.43018	0.1	3000	8.06	0.22312	0.88063	10	1
il	6.50948	0.1	3000	8.06	0.5103	0.87806	10	1
il	6.56293	0.1	3000	8.06	0.27076	0.8299	10	1
il	6.63059	0.1	3000	8.06	0.90414	0.85447	10	1
il	6.67186	0.1	3000	8.06	0.56844	0.84563	10	1
il	6.74902	0.1	3000	8.06	0.51845	0.76365	10	1
il	6.78025	0.1	3000	8.06	0.80413	0.81486	10	1
il	6.80145	0.1	3000	8.06	0.24928	0.77936	10	1
il	6.85324	0.1	3000	8.06	0.75069	0.78309	10	1
il	6.86482	0.1	3000	8.06	0.51268	0.76965	10	1
il	6.91839	0.1	3000	8.06	0.12665	0.72992	10	1
il	6.96793	0.1	3000	8.06	0.83111	0.77563	10	1
il	7.04448	0.1	3000	8.06	0.2508	0.73297	10	1
il	7.10617	0.1	3000	8.06	0.75259	0.76857	10	1
il	7.12804	0.1	3000	8.06	0.70251	0.63058	10	1
il	7.17513	0.1	3000	8.06	0.253	0.65383	10	1
il	7.2334	0.1	3000	8.06	0.00305	0.67664	10	1
il	7.27066	0.1	3000	8.06	0.06763	0.74099	10	1
il	7.35052	0.1	3000	8.06	0.7138	0.65893	10	1
il	7.37103	0.1	3000	8.06	0.33244	0.66645	10	1
il	7.44383	0.1	3000	8.06	0.6801	0.68135	10	1
il	7.52144	0.1	3000	8.06	0.36769	0.58118	10	1
il	7.56373	0.1	3000	8.06	0.81402	0.52469	10	1
il	7.59685	0.1	3000	8.06	0.27821	0.62015	10	1
il	7.6728	0.1	3000	8.06	0.17179	0.49159	10	1
il	7.70077	0.1	3000	8.06	0.15116	0.65191	10	1
il	7.76591	0.1	3000	8.06	0.52736	0.45696	10	1
il	7.81462	0.1	3000	8.06	0.8815	0.5931	10	1
il	7.86404	0.1	3000	8.06	0.53829	0.54036	10	1
il	7.92473	0.1	3000	8.06	0.91784	0.46747	10	1
il	7.9762	0.1	3000	8.06	0.326	0.57989	10	1
il	8.03597	0.1	3000	8.06	0.37678	0.50401	10	1
il	8.12348	0.1	3000	8.06	0.21928	0.40346	10	1
il	8.14796	0.1	3000	8.06	0.8923	0.39101	10	1
il	8.15982	0.1	3000	8.06	0.91644	0.60475	10	1
il	8.19065	0.1	3000	8.06	0.12912	0.43568	10	1
il	8.2018	0.1	3000	8.06	0.78011	0.44355	10	1
il	8.29108	0.1	3000	8.06	0.96371	0.61656	10	1
il	8.33479	0.1	3000	8.06	0.76592	0.40973	10	1
il	8.37663	0.1	3000	8.06	0.80358	0.43214	10	1
il	8.40749	0.1	3000	8.06	0.97647	0.56928	10	1
il	8.48706	0.1	3000	8.06	0.24912	0.44472	10	1
il	8.56525	0.1	3000	8.06	0.40043	0.40897	10	1
il	8.63742	0.1	3000	8.06	0.17344	0.55873	10	1
il	8.70252	0.1	3000	8.06	0.41835	0.61047	10	1
il	8.7666	0.1	3000	8.06	0.18589	0.66285	10	1
il	8.80575	0.1	3000	8.06	0.50542	0.59978	10	1
il	8.88617	0.1	3000	8.06	0.22349	0.70495	10	1
il	8.93182	0.1	3000	8.06	0.61544	0.25784	10	1
il	8.97638	0.1	3000	8.06	0.55953	0.37567	10	1
il	8.99928	0.1	3000	8.06	0.36039	0.55902	10	1
il	9.08969	0.1	3000	8.06	0.70421	0.44499	10	1
il	9.16628	0.1	3000	8.06	0.68392	0.25582	10	1
il	9.21783	0.1	3000	8.06	0.37346	0.54214	10	1
il	9.28084	0.1	3000	8.06	0.63909	0.73041	10	1

```
i1	9.31939	0.1	3000	8.06	0.79354	0.29217	10	1
i1	9.39778	0.1	3000	8.06	0.49721	0.78914	10	1
i1	9.41754	0.1	3000	8.06	0.96692	0.28681	10	1
i1	9.49658	0.1	3000	8.06	0.10556	0.64983	10	1
i1	9.57973	0.1	3000	8.06	0.02234	0.37691	10	1
i1	9.61343	0.1	3000	8.06	0.56099	0.67597	10	1
i1	9.64462	0.1	3000	8.06	0.28687	0.49166	10	1
i1	9.66821	0.1	3000	8.06	0.23853	0.92348	10	1
i1	9.71882	0.1	3000	8.06	0.11975	0.82066	10	1
i1	9.73525	0.1	3000	8.06	0.39421	0.38975	10	1
i1	9.76374	0.1	3000	8.06	0.72094	0.19548	10	1
i1	9.78	0.1	3000	8.06	0.31455	0.95358	10	1
i1	9.84921	0.1	3000	8.06	0.9346	0.84223	10	1
i1	9.88982	0.1	3000	8.06	0.6972	0.76684	10	1
i1	9.92633	0.1	3000	8.06	0.3965	0.44703	10	1
i1	9.95539	0.1	3000	8.06	0.9812	0.88842	10	1

; ------- end of field 2 --- number of events: 95 -------

; ------- begin of field 3 --- seconds: 5.00 - 10.00 --------
;ins	time	dur	p4	p5	p6	p7	p8	p9

i1	5	0.1	3000	7.04	0.79431	0.92477	10	1
i1	5.09375	0.1	3000	7.04	0.55989	0.56393	10	1
i1	5.15004	0.1	3000	7.04	0.99045	0.25349	10	1
i1	5.16629	0.1	3000	7.04	0.36106	0.71027	10	1
i1	5.23091	0.1	3000	7.04	0.85513	0.74219	10	1
i1	5.29356	0.1	3000	7.04	0.97055	0.52504	10	1
i1	5.33787	0.1	3000	7.04	0.07938	0.35462	10	1
i1	5.38448	0.1	3000	7.04	0.57491	0.58681	10	1
i1	5.4335	0.1	3000	7.04	0.9805	0.47575	10	1
i1	5.50699	0.1	3000	7.04	0.48732	0.60626	10	1
i1	5.5868	0.1	3000	7.04	0.50502	0.90436	10	1
i1	5.66841	0.1	3000	7.04	0.4322	0.71018	10	1
i1	5.70401	0.1	3000	7.04	0.10532	0.78796	10	1
i1	5.72781	0.1	3000	7.04	0.17087	0.74984	10	1
i1	5.77008	0.1	3000	7.04	0.31556	0.8984	10	1
i1	5.86512	0.1	3000	7.04	0.80038	0.9708	10	1
i1	5.9374	0.1	3000	7.04	0.74261	0.94104	10	1
i1	6.01756	0.1	3000	7.04	0.90539	0.99532	10	1
i1	6.05335	0.1	3000	7.04	0.966	0.986	10	1
i1	6.08306	0.1	3000	7.04	0.79788	0.97876	10	1
i1	6.12538	0.1	3000	7.04	0.38633	0.97344	10	1
i1	6.20705	0.1	3000	7.04	0.70815	0.93896	10	1
i1	6.22088	0.1	3000	7.04	0.24726	0.94827	10	1
i1	6.30106	0.1	3000	7.04	0.37638	0.90909	10	1
i1	6.31977	0.1	3000	7.04	0.75631	0.93468	10	1
i1	6.37825	0.1	3000	7.04	0.40474	0.87689	10	1
i1	6.44361	0.1	3000	7.04	0.32325	0.90255	10	1
i1	6.45423	0.1	3000	7.04	0.34635	0.85522	10	1
i1	6.49269	0.1	3000	7.04	0.29081	0.89273	10	1
i1	6.52709	0.1	3000	7.04	0.20014	0.85547	10	1
i1	6.60992	0.1	3000	7.04	0.03095	0.84217	10	1
i1	6.67423	0.1	3000	7.04	0.12705	0.81335	10	1
i1	6.73856	0.1	3000	7.04	0.79385	0.80141	10	1
i1	6.76606	0.1	3000	7.04	0.17811	0.78884	10	1
i1	6.86329	0.1	3000	7.04	0.10089	0.74773	10	1
i1	6.8998	0.1	3000	7.04	0.0025	0.77075	10	1
i1	6.94681	0.1	3000	7.04	0.64269	0.77864	10	1
i1	6.98484	0.1	3000	7.04	0.25916	0.77009	10	1
i1	7.07538	0.1	3000	7.04	0.45375	0.68395	10	1
i1	7.13241	0.1	3000	7.04	0.1648	0.67438	10	1
i1	7.17782	0.1	3000	7.04	0.46229	0.66139	10	1
i1	7.21521	0.1	3000	7.04	0.64901	0.7014	10	1
i1	7.24609	0.1	3000	7.04	0.22907	0.63604	10	1
i1	7.26041	0.1	3000	7.04	0.3253	0.72046	10	1
i1	7.30848	0.1	3000	7.04	0.67293	0.66545	10	1
i1	7.32607	0.1	3000	7.04	0.30833	0.578	10	1
```

```
i1	7.34681	0.1	3000	7.04	0.70309	0.62928	10	1
i1	7.43418	0.1	3000	7.04	0.17579	0.58388	10	1
i1	7.51738	0.1	3000	7.04	0.81683	0.53584	10	1
i1	7.54228	0.1	3000	7.04	0.4756	0.62473	10	1
i1	7.58575	0.1	3000	7.04	0.75109	0.51519	10	1
i1	7.62298	0.1	3000	7.04	0.48048	0.59991	10	1
i1	7.70349	0.1	3000	7.04	0.07053	0.53516	10	1
i1	7.76051	0.1	3000	7.04	0.77325	0.44955	10	1
i1	7.85902	0.1	3000	7.04	0.01117	0.60951	10	1
i1	7.94359	0.1	3000	7.04	0.07984	0.60887	10	1
i1	8.01597	0.1	3000	7.04	0.84909	0.56584	10	1
i1	8.03364	0.1	3000	7.04	0.92981	0.51974	10	1
i1	8.06415	0.1	3000	7.04	0.40547	0.50221	10	1
i1	8.099	0.1	3000	7.04	0.58827	0.51606	10	1
i1	8.11629	0.1	3000	7.04	0.90808	0.38271	10	1
i1	8.17407	0.1	3000	7.04	0.64806	0.42186	10	1
i1	8.19683	0.1	3000	7.04	0.17463	0.55892	10	1
i1	8.21454	0.1	3000	7.04	0.06577	0.38081	10	1
i1	8.22787	0.1	3000	7.04	0.85028	0.56297	10	1
i1	8.28509	0.1	3000	7.04	0.65108	0.64014	10	1
i1	8.35534	0.1	3000	7.04	0.08292	0.38123	10	1
i1	8.39748	0.1	3000	7.04	0.44606	0.64696	10	1
i1	8.49204	0.1	3000	7.04	0.44255	0.52833	10	1
i1	8.50829	0.1	3000	7.04	0.43721	0.46446	10	1
i1	8.54082	0.1	3000	7.04	0.94885	0.67949	10	1
i1	8.56477	0.1	3000	7.04	0.0014	0.36736	10	1
i1	8.58284	0.1	3000	7.04	0.64968	0.32422	10	1
i1	8.60352	0.1	3000	7.04	0.77532	0.57202	10	1
i1	8.6254	0.1	3000	7.04	0.15848	0.38121	10	1
i1	8.72254	0.1	3000	7.04	0.62603	0.32992	10	1
i1	8.75706	0.1	3000	7.04	0.79128	0.70244	10	1
i1	8.7769	0.1	3000	7.04	0.47154	0.60798	10	1
i1	8.80389	0.1	3000	7.04	0.31761	0.29356	10	1
i1	8.87958	0.1	3000	7.04	0.21888	0.38857	10	1
i1	8.95959	0.1	3000	7.04	0.72781	0.32882	10	1
i1	9.02094	0.1	3000	7.04	0.43873	0.21505	10	1
i1	9.07836	0.1	3000	7.04	0.69842	0.70035	10	1
i1	9.11576	0.1	3000	7.04	0.94772	0.55263	10	1
i1	9.20779	0.1	3000	7.04	0.4825	0.6792	10	1
i1	9.25968	0.1	3000	7.04	0.59993	0.83451	10	1
i1	9.32897	0.1	3000	7.04	0.63768	0.85155	10	1
i1	9.41527	0.1	3000	7.04	0.67467	0.32828	10	1
i1	9.47268	0.1	3000	7.04	0.20466	0.16783	10	1
i1	9.52058	0.1	3000	7.04	0.65694	0.49456	10	1
i1	9.57797	0.1	3000	7.04	0.54225	0.75604	10	1
i1	9.67314	0.1	3000	7.04	0.32579	0.63945	10	1
i1	9.73809	0.1	3000	7.04	0.88131	0.20257	10	1
i1	9.7934	0.1	3000	7.04	0.25559	0.11154	10	1
i1	9.81746	0.1	3000	7.04	0.65825	0.63903	10	1
i1	9.91223	0.1	3000	7.04	0.48476	0.20018	10	1
i1	9.96285	0.1	3000	7.04	0.70305	0.60281	10	1

; ------- end of field 3 --- number of events: 97 -------

; ------- begin of field 4 --- seconds: 10.00 - 25.00 --------
;ins	time	dur	p4	p5	p6	p7	p8	p9	p10

i2	10	0.03	0.13	1	1.20209	0	10	2	3
i2	10.50827	0.03	0.13	1	1.20953	0.50827	10	2	3
i2	11.10143	0.03	0.13	1	1.1424	0.10143	10	2	3
i2	11.29484	0.03	0.13	1	1.059	0.29484	10	2	3
i2	11.45872	0.03	0.13	1	1.24799	0.45872	10	2	3
i2	11.62963	0.03	0.13	1	1.47293	0.62963	10	2	3
i2	11.71065	0.03	0.13	1	1.37544	0.71065	10	2	3
i2	11.92138	0.03	0.13	1	1.04948	0.92138	10	2	3
i2	11.99969	0.03	0.13	1	1.23577	0.99969	10	2	3
i2	12.08474	0.03	0.13	1	1.42941	0.08474	10	2	3
i2	12.37687	0.03	0.13	1	1.15679	0.37687	10	2	3
```

i2	12.52428	0.03	0.13	1	1.16651	0.52428	10	2	3
i2	12.54603	0.03	0.13	1	1.71712	0.54603	10	2	3
i2	12.63967	0.03	0.13	1	1.56808	0.63967	10	2	3
i2	12.90112	0.03	0.13	1	1.2645	0.90112	10	2	3
i2	13.09534	0.03	0.13	1	1.32979	0.09534	10	2	3
i2	13.15852	0.03	0.13	1	1.49097	0.15852	10	2	3
i2	13.26556	0.03	0.13	1	1.03425	0.26556	10	2	3
i2	13.28412	0.03	0.13	1	1.3225	0.28412	10	2	3
i2	13.35839	0.03	0.13	1	1.42429	0.35839	10	2	3
i2	13.4743	0.03	0.13	1	1.4676	0.4743	10	2	3
i2	13.49224	0.03	0.13	1	1.02847	0.49224	10	2	3
i2	13.55405	0.03	0.13	1	1.04786	0.55405	10	2	3
i2	13.58989	0.03	0.13	1	1.11285	0.58989	10	2	3
i2	13.64425	0.03	0.13	1	1.58205	0.64425	10	2	3
i2	13.76454	0.03	0.13	1	1.5606	0.76454	10	2	3
i2	13.83264	0.03	0.13	1	1.37105	0.83264	10	2	3
i2	13.88898	0.03	0.13	1	1.38436	0.88898	10	2	3
i2	13.95674	0.03	0.13	1	1.52433	0.95674	10	2	3
i2	13.99934	0.03	0.13	1	1.26759	0.99934	10	2	3
i2	14.08151	0.03	0.13	1	1.66218	0.08151	10	2	3
i2	14.1772	0.03	0.13	1	2.2302	0.1772	10	2	3
i2	14.21666	0.03	0.13	1	1.04554	0.21666	10	2	3
i2	14.26541	0.03	0.13	1	1.29734	0.26541	10	2	3
i2	14.2786	0.03	0.13	1	1.50476	0.2786	10	2	3
i2	14.30911	0.03	0.13	1	2.05304	0.30911	10	2	3
i2	14.36749	0.03	0.13	1	1.26394	0.36749	10	2	3
i2	14.38597	0.03	0.13	1	1.12218	0.38597	10	2	3
i2	14.41698	0.03	0.13	1	1.02364	0.41698	10	2	3
i2	14.50313	0.03	0.13	1	2.20362	0.50313	10	2	3
i2	14.55455	0.03	0.13	1	1.00951	0.55455	10	2	3
i2	14.60137	0.03	0.13	1	1.45244	0.60137	10	2	3
i2	14.64199	0.03	0.13	1	1.80763	0.64199	10	2	3
i2	14.67119	0.03	0.13	1	1.07787	0.67119	10	2	3
i2	14.70484	0.03	0.13	1	1.13137	0.70484	10	2	3
i2	14.73643	0.03	0.13	1	1.5074	0.73643	10	2	3
i2	14.8057	0.03	0.13	1	1.94455	0.8057	10	2	3
i2	14.8544	0.03	0.13	1	1.90862	0.8544	10	2	3
i2	14.8774	0.03	0.13	1	2.05129	0.8774	10	2	3
i2	14.91336	0.03	0.13	1	1.62667	0.91336	10	2	3
i2	14.92347	0.03	0.13	1	2.41088	0.92347	10	2	3
i2	14.95416	0.03	0.13	1	1.02468	0.95416	10	2	3
i2	14.97804	0.03	0.13	1	1.43246	0.97804	10	2	3
i2	15.01288	0.03	0.13	1	1.53593	0.01288	10	2	3
i2	15.02168	0.03	0.13	1	1.5704	0.02168	10	2	3
i2	15.03345	0.03	0.13	1	1.02363	0.03345	10	2	3
i2	15.04206	0.03	0.13	1	1.58613	0.04206	10	2	3
i2	15.04775	0.03	0.13	1	1.64024	0.04775	10	2	3
i2	15.06237	0.03	0.13	1	1.2303	0.06237	10	2	3
i2	15.10953	0.03	0.13	1	1.02381	0.10953	10	2	3
i2	15.161	0.03	0.13	1	1.70759	0.161	10	2	3
i2	15.20553	0.03	0.13	1	1.5877	0.20553	10	2	3
i2	15.21672	0.03	0.13	1	1.32788	0.21672	10	2	3
i2	15.22918	0.03	0.13	1	1.44859	0.22918	10	2	3
i2	15.25273	0.03	0.13	1	1.84018	0.25273	10	2	3
i2	15.26339	0.03	0.13	1	1.47308	0.26339	10	2	3
i2	15.29629	0.03	0.13	1	1.51186	0.29629	10	2	3
i2	15.30259	0.03	0.13	1	1.36277	0.30259	10	2	3
i2	15.31598	0.03	0.13	1	2.2288	0.31598	10	2	3
i2	15.3491	0.03	0.13	1	1.00669	0.3491	10	2	3
i2	15.36534	0.03	0.13	1	2.33813	0.36534	10	2	3
i2	15.38956	0.03	0.13	1	1.31853	0.38956	10	2	3
i2	15.41174	0.03	0.13	1	1.64936	0.41174	10	2	3
i2	15.43346	0.03	0.13	1	1.17628	0.43346	10	2	3
i2	15.44042	0.03	0.13	1	1.12256	0.44042	10	2	3
i2	15.45752	0.03	0.13	1	1.40139	0.45752	10	2	3
i2	15.47754	0.03	0.13	1	2.49866	0.47754	10	2	3
i2	15.50494	0.03	0.13	1	1.08531	0.50494	10	2	3
i2	15.5199	0.03	0.13	1	1.01773	0.5199	10	2	3

i2	15.54725	0.03	0.13	1	2.3454	0.54725	10	2	3
i2	15.57146	0.03	0.13	1	1.90215	0.57146	10	2	3
i2	15.58232	0.03	0.13	1	1.68916	0.58232	10	2	3
i2	15.60272	0.03	0.13	1	1.82026	0.60272	10	2	3
i2	15.63151	0.03	0.13	1	2.30301	0.63151	10	2	3
i2	15.64413	0.03	0.13	1	1.42931	0.64413	10	2	3
i2	15.65105	0.03	0.13	1	1.4781	0.65105	10	2	3
i2	15.65998	0.03	0.13	1	1.2379	0.65998	10	2	3
i2	15.68841	0.03	0.13	1	1.46521	0.68841	10	2	3
i2	15.69226	0.03	0.13	1	1.87963	0.69226	10	2	3
i2	15.69959	0.03	0.13	1	2.45564	0.69959	10	2	3
i2	15.71172	0.03	0.13	1	1.46727	0.71172	10	2	3
i2	15.71859	0.03	0.13	1	1.15574	0.71859	10	2	3
i2	15.72248	0.03	0.13	1	1.72694	0.72248	10	2	3
i2	15.72868	0.03	0.13	1	1.37883	0.72868	10	2	3
i2	15.73116	0.03	0.13	1	1.43623	0.73116	10	2	3
i2	15.73952	0.03	0.13	1	1.3343	0.73952	10	2	3
i2	15.74725	0.03	0.13	1	1.70711	0.74725	10	2	3
i2	15.76124	0.03	0.13	1	1.1494	0.76124	10	2	3
i2	15.77509	0.03	0.13	1	1.23039	0.77509	10	2	3
i2	15.77894	0.03	0.13	1	1.52877	0.77894	10	2	3
i2	15.79431	0.03	0.13	1	2.60084	0.79431	10	2	3
i2	15.79983	0.03	0.13	1	1.28436	0.79983	10	2	3
i2	15.80597	0.03	0.13	1	1.18538	0.80597	10	2	3
i2	15.82686	0.03	0.13	1	1.04927	0.82686	10	2	3
i2	15.84773	0.03	0.13	1	2.39339	0.84773	10	2	3
i2	15.86607	0.03	0.13	1	1.80578	0.86607	10	2	3
i2	15.8822	0.03	0.13	1	1.59823	0.8822	10	2	3
i2	15.89063	0.03	0.13	1	2.24173	0.89063	10	2	3
i2	15.89332	0.03	0.13	1	1.27974	0.89332	10	2	3
i2	15.90843	0.03	0.13	1	2.63813	0.90843	10	2	3
i2	15.91412	0.03	0.13	1	1.91897	0.91412	10	2	3
i2	15.92598	0.03	0.13	1	2.03194	0.92598	10	2	3
i2	15.94847	0.03	0.13	1	1.61749	0.94847	10	2	3
i2	15.95333	0.03	0.13	1	2.0832	0.95333	10	2	3
i2	15.9664	0.03	0.13	1	2.36947	0.9664	10	2	3
i2	15.9785	0.03	0.13	1	1.30128	0.9785	10	2	3
i2	15.98054	0.03	0.13	1	1.59902	0.98054	10	2	3
i2	16.00102	0.03	0.13	1	1.07828	0.00102	10	2	3
i2	16.00681	0.03	0.13	1	2.0916	0.00681	10	2	3
i2	16.01609	0.03	0.13	1	2.01913	0.01609	10	2	3
i2	16.03759	0.03	0.13	1	2.16038	0.03759	10	2	3
i2	16.04227	0.03	0.13	1	1.60291	0.04227	10	2	3
i2	16.05882	0.03	0.13	1	1.30432	0.05882	10	2	3
i2	16.07047	0.03	0.13	1	2.32402	0.07047	10	2	3
i2	16.07478	0.03	0.13	1	1.02879	0.07478	10	2	3
i2	16.07846	0.03	0.13	1	1.31315	0.07846	10	2	3
i2	16.08873	0.03	0.13	1	1.82623	0.08873	10	2	3
i2	16.09176	0.03	0.13	1	1.99798	0.09176	10	2	3
i2	16.10144	0.03	0.13	1	2.10537	0.10144	10	2	3
i2	16.1049	0.03	0.13	1	2.23912	0.1049	10	2	3
i2	16.1139	0.03	0.13	1	1.25643	0.1139	10	2	3
i2	16.13353	0.03	0.13	1	1.96432	0.13353	10	2	3
i2	16.14562	0.03	0.13	1	1.94539	0.14562	10	2	3
i2	16.16363	0.03	0.13	1	1.50871	0.16363	10	2	3
i2	16.17457	0.03	0.13	1	2.38093	0.17457	10	2	3
i2	16.17774	0.03	0.13	1	2.36961	0.17774	10	2	3
i2	16.18022	0.03	0.13	1	1.27079	0.18022	10	2	3
i2	16.19734	0.03	0.13	1	1.13179	0.19734	10	2	3
i2	16.20324	0.03	0.13	1	2.08949	0.20324	10	2	3
i2	16.21443	0.03	0.13	1	1.98881	0.21443	10	2	3
i2	16.21755	0.03	0.13	1	1.23593	0.21755	10	2	3
i2	16.2285	0.03	0.13	1	1.16335	0.2285	10	2	3
i2	16.24552	0.03	0.13	1	1.67214	0.24552	10	2	3
i2	16.25606	0.03	0.13	1	1.93155	0.25606	10	2	3
i2	16.26083	0.03	0.13	1	1.43458	0.26083	10	2	3
i2	16.26958	0.03	0.13	1	1.69753	0.26958	10	2	3
i2	16.2713	0.03	0.13	1	2.43535	0.2713	10	2	3

i2	16.28145	0.03	0.13	1	1.765	0.28145	10	2	3
i2	16.29725	0.03	0.13	1	1.99422	0.29725	10	2	3
i2	16.30177	0.03	0.13	1	1.20627	0.30177	10	2	3
i2	16.30929	0.03	0.13	1	1.4866	0.30929	10	2	3
i2	16.31244	0.03	0.13	1	1.50097	0.31244	10	2	3
i2	16.32662	0.03	0.13	1	2.5822	0.32662	10	2	3
i2	16.33344	0.03	0.13	1	1.4751	0.33344	10	2	3
i2	16.34255	0.03	0.13	1	1.54096	0.34255	10	2	3
i2	16.35188	0.03	0.13	1	1.44735	0.35188	10	2	3
i2	16.36152	0.03	0.13	1	1.68216	0.36152	10	2	3
i2	16.36367	0.03	0.13	1	1.2328	0.36367	10	2	3
i2	16.37113	0.03	0.13	1	1.40976	0.37113	10	2	3
i2	16.37345	0.03	0.13	1	2.26748	0.37345	10	2	3
i2	16.37613	0.03	0.13	1	1.64429	0.37613	10	2	3
i2	16.38191	0.03	0.13	1	1.82194	0.38191	10	2	3
i2	16.39019	0.03	0.13	1	1.40221	0.39019	10	2	3
i2	16.39477	0.03	0.13	1	2.19751	0.39477	10	2	3
i2	16.4054	0.03	0.13	1	2.26491	0.4054	10	2	3
i2	16.41114	0.03	0.13	1	1.29571	0.41114	10	2	3
i2	16.42079	0.03	0.13	1	1.90509	0.42079	10	2	3
i2	16.43617	0.03	0.13	1	2.01432	0.43617	10	2	3
i2	16.43964	0.03	0.13	1	1.65768	0.43964	10	2	3
i2	16.44132	0.03	0.13	1	1.59014	0.44132	10	2	3
i2	16.45587	0.03	0.13	1	2.78706	0.45587	10	2	3
i2	16.46939	0.03	0.13	1	1.68343	0.46939	10	2	3
i2	16.47281	0.03	0.13	1	1.46505	0.47281	10	2	3
i2	16.47431	0.03	0.13	1	1.35804	0.47431	10	2	3
i2	16.48155	0.03	0.13	1	1.72549	0.48155	10	2	3
i2	16.48966	0.03	0.13	1	1.65848	0.48966	10	2	3
i2	16.49191	0.03	0.13	1	2.11433	0.49191	10	2	3
i2	16.49682	0.03	0.13	1	2.2522	0.49682	10	2	3
i2	16.50748	0.03	0.13	1	1.25252	0.50748	10	2	3
i2	16.5191	0.03	0.13	1	2.26786	0.5191	10	2	3
i2	16.53109	0.03	0.13	1	1.23827	0.53109	10	2	3
i2	16.53916	0.03	0.13	1	1.20349	0.53916	10	2	3
i2	16.54691	0.03	0.13	1	1.5716	0.54691	10	2	3
i2	16.55341	0.03	0.13	1	2.16741	0.55341	10	2	3
i2	16.56427	0.03	0.13	1	2.45291	0.56427	10	2	3
i2	16.56589	0.03	0.13	1	1.90951	0.56589	10	2	3
i2	16.56801	0.03	0.13	1	1.4557	0.56801	10	2	3
i2	16.5743	0.03	0.13	1	2.72817	0.5743	10	2	3
i2	16.58777	0.03	0.13	1	2.21273	0.58777	10	2	3
i2	16.59501	0.03	0.13	1	2.57164	0.59501	10	2	3
i2	16.60496	0.03	0.13	1	1.55608	0.60496	10	2	3
i2	16.60818	0.03	0.13	1	1.64058	0.60818	10	2	3
i2	16.61611	0.03	0.13	1	1.34521	0.61611	10	2	3
i2	16.6233	0.03	0.13	1	2.22889	0.6233	10	2	3
i2	16.63002	0.03	0.13	1	1.52318	0.63002	10	2	3
i2	16.63401	0.03	0.13	1	2.18382	0.63401	10	2	3
i2	16.6432	0.03	0.13	1	2.12065	0.6432	10	2	3
i2	16.64457	0.03	0.13	1	1.44689	0.64457	10	2	3
i2	16.64596	0.03	0.13	1	1.37606	0.64596	10	2	3
i2	16.6515	0.03	0.13	1	2.18193	0.6515	10	2	3
i2	16.65832	0.03	0.13	1	1.50554	0.65832	10	2	3
i2	16.66409	0.03	0.13	1	1.80389	0.66409	10	2	3
i2	16.66843	0.03	0.13	1	2.13061	0.66843	10	2	3
i2	16.67136	0.03	0.13	1	1.94866	0.67136	10	2	3
i2	16.68262	0.03	0.13	1	1.58896	0.68262	10	2	3
i2	16.69313	0.03	0.13	1	1.73027	0.69313	10	2	3
i2	16.69467	0.03	0.13	1	1.32645	0.69467	10	2	3
i2	16.69712	0.03	0.13	1	2.83316	0.69712	10	2	3
i2	16.6991	0.03	0.13	1	1.3684	0.6991	10	2	3
i2	16.70073	0.03	0.13	1	1.54824	0.70073	10	2	3
i2	16.7048	0.03	0.13	1	1.42673	0.7048	10	2	3
i2	16.71075	0.03	0.13	1	1.18535	0.71075	10	2	3
i2	16.71842	0.03	0.13	1	1.23096	0.71842	10	2	3
i2	16.72852	0.03	0.13	1	2.19767	0.72852	10	2	3
i2	16.73313	0.03	0.13	1	1.38675	0.73313	10	2	3

i2	16.73968	0.03	0.13	1	2.22455	0.73968	10	2	3
i2	16.7456	0.03	0.13	1	1.30619	0.7456	10	2	3
i2	16.74888	0.03	0.13	1	1.49272	0.74888	10	2	3
i2	16.75065	0.03	0.13	1	1.6736	0.75065	10	2	3
i2	16.76231	0.03	0.13	1	1.30006	0.76231	10	2	3
i2	16.77112	0.03	0.13	1	1.14861	0.77112	10	2	3
i2	16.77875	0.03	0.13	1	1.21489	0.77875	10	2	3
i2	16.78088	0.03	0.13	1	1.18323	0.78088	10	2	3
i2	16.78327	0.03	0.13	1	1.48592	0.78327	10	2	3
i2	16.78744	0.03	0.13	1	1.52923	0.78744	10	2	3
i2	16.79036	0.03	0.13	1	2.37994	0.79036	10	2	3
i2	16.79734	0.03	0.13	1	2.27417	0.79734	10	2	3
i2	16.80363	0.03	0.13	1	1.25161	0.80363	10	2	3
i2	16.80691	0.03	0.13	1	1.72255	0.80691	10	2	3
i2	16.81657	0.03	0.13	1	1.13085	0.81657	10	2	3
i2	16.81924	0.03	0.13	1	2.89479	0.81924	10	2	3
i2	16.82179	0.03	0.13	1	1.47047	0.82179	10	2	3
i2	16.82621	0.03	0.13	1	2.5593	0.82621	10	2	3
i2	16.82896	0.03	0.13	1	2.22293	0.82896	10	2	3
i2	16.83206	0.03	0.13	1	1.73956	0.83206	10	2	3
i2	16.83602	0.03	0.13	1	1.42817	0.83602	10	2	3
i2	16.83946	0.03	0.13	1	1.62665	0.83946	10	2	3
i2	16.8451	0.03	0.13	1	2.02079	0.8451	10	2	3
i2	16.85472	0.03	0.13	1	1.78985	0.85472	10	2	3
i2	16.85778	0.03	0.13	1	1.41904	0.85778	10	2	3
i2	16.86268	0.03	0.13	1	1.10732	0.86268	10	2	3
i2	16.86854	0.03	0.13	1	1.78958	0.86854	10	2	3
i2	16.87551	0.03	0.13	1	2.21143	0.87551	10	2	3
i2	16.88415	0.03	0.13	1	1.83994	0.88415	10	2	3
i2	16.88696	0.03	0.13	1	1.43655	0.88696	10	2	3
i2	16.89106	0.03	0.13	1	2.40512	0.89106	10	2	3
i2	16.89701	0.03	0.13	1	1.05122	0.89701	10	2	3
i2	16.90734	0.03	0.13	1	1.06819	0.90734	10	2	3
i2	16.91507	0.03	0.13	1	1.44033	0.91507	10	2	3
i2	16.92054	0.03	0.13	1	1.73793	0.92054	10	2	3
i2	16.92977	0.03	0.13	1	2.54628	0.92977	10	2	3
i2	16.93192	0.03	0.13	1	1.71924	0.93192	10	2	3
i2	16.93325	0.03	0.13	1	2.50541	0.93325	10	2	3
i2	16.93943	0.03	0.13	1	1.67568	0.93943	10	2	3
i2	16.94098	0.03	0.13	1	2.3372	0.94098	10	2	3
i2	16.94442	0.03	0.13	1	2.1928	0.94442	10	2	3
i2	16.95011	0.03	0.13	1	1.25122	0.95011	10	2	3
i2	16.95412	0.03	0.13	1	2.75639	0.95412	10	2	3
i2	16.96218	0.03	0.13	1	1.01689	0.96218	10	2	3
i2	16.9647	0.03	0.13	1	1.88728	0.9647	10	2	3
i2	16.97144	0.03	0.13	1	1.71547	0.97144	10	2	3
i2	16.97334	0.03	0.13	1	1.82009	0.97334	10	2	3
i2	16.97598	0.03	0.13	1	2.78051	0.97598	10	2	3
i2	16.98567	0.03	0.13	1	1.58296	0.98567	10	2	3
i2	16.99366	0.03	0.13	1	1.40747	0.99366	10	2	3
i2	16.99761	0.03	0.13	1	1.32529	0.99761	10	2	3
i2	17.00087	0.03	0.13	1	2.13628	0.00087	10	2	3
i2	17.00319	0.03	0.13	1	2.20127	0.00319	10	2	3
i2	17.01016	0.03	0.13	1	1.10953	0.01016	10	2	3
i2	17.01649	0.03	0.13	1	1.04276	0.01649	10	2	3
i2	17.0215	0.03	0.13	1	1.727	0.0215	10	2	3
i2	17.02504	0.03	0.13	1	1.98297	0.02504	10	2	3
i2	17.02769	0.03	0.13	1	1.24352	0.02769	10	2	3
i2	17.03092	0.03	0.13	1	2.8033	0.03092	10	2	3
i2	17.04028	0.03	0.13	1	1.74547	0.04028	10	2	3
i2	17.04231	0.03	0.13	1	2.49173	0.04231	10	2	3
i2	17.04602	0.03	0.13	1	2.06757	0.04602	10	2	3
i2	17.05422	0.03	0.13	1	1.90492	0.05422	10	2	3
i2	17.05778	0.03	0.13	1	1.0994	0.05778	10	2	3
i2	17.0633	0.03	0.13	1	1.07973	0.0633	10	2	3
i2	17.06597	0.03	0.13	1	1.20095	0.06597	10	2	3
i2	17.06748	0.03	0.13	1	2.24275	0.06748	10	2	3
i2	17.07302	0.03	0.13	1	1.45353	0.07302	10	2	3

i2	17.07871	0.03	0.13	1	1.80831	0.07871	10	2	3
i2	17.0829	0.03	0.13	1	1.37462	0.0829	10	2	3
i2	17.08754	0.03	0.13	1	1.64108	0.08754	10	2	3
i2	17.09496	0.03	0.13	1	1.81467	0.09496	10	2	3
i2	17.0997	0.03	0.13	1	1.886	0.0997	10	2	3
i2	17.10589	0.03	0.13	1	1.41149	0.10589	10	2	3
i2	17.10976	0.03	0.13	1	1.6453	0.10976	10	2	3
i2	17.11607	0.03	0.13	1	1.79238	0.11607	10	2	3
i2	17.12243	0.03	0.13	1	2.13086	0.12243	10	2	3
i2	17.12468	0.03	0.13	1	1.8368	0.12468	10	2	3
i2	17.12706	0.03	0.13	1	1.40442	0.12706	10	2	3
i2	17.12965	0.03	0.13	1	1.562	0.12965	10	2	3
i2	17.13229	0.03	0.13	1	1.78117	0.13229	10	2	3
i2	17.13955	0.03	0.13	1	1.06901	0.13955	10	2	3
i2	17.14396	0.03	0.13	1	1.99724	0.14396	10	2	3
i2	17.15262	0.03	0.13	1	1.40582	0.15262	10	2	3
i2	17.15665	0.03	0.13	1	1.84761	0.15665	10	2	3
i2	17.16144	0.03	0.13	1	1.62729	0.16144	10	2	3
i2	17.16858	0.03	0.13	1	1.24202	0.16858	10	2	3
i2	17.17523	0.03	0.13	1	1.00928	0.17523	10	2	3
i2	17.17965	0.03	0.13	1	1.52876	0.17965	10	2	3
i2	17.18598	0.03	0.13	1	1.51837	0.18598	10	2	3
i2	17.19381	0.03	0.13	1	2.0597	0.19381	10	2	3
i2	17.2025	0.03	0.13	1	2.51641	0.2025	10	2	3
i2	17.20778	0.03	0.13	1	1.72445	0.20778	10	2	3
i2	17.21217	0.03	0.13	1	1.61148	0.21217	10	2	3
i2	17.21777	0.03	0.13	1	2.25567	0.21777	10	2	3
i2	17.22539	0.03	0.13	1	1.18852	0.22539	10	2	3
i2	17.23351	0.03	0.13	1	2.58566	0.23351	10	2	3
i2	17.23473	0.03	0.13	1	1.66682	0.23473	10	2	3
i2	17.23848	0.03	0.13	1	2.22968	0.23848	10	2	3
i2	17.24344	0.03	0.13	1	1.93346	0.24344	10	2	3
i2	17.24476	0.03	0.13	1	2.48549	0.24476	10	2	3
i2	17.24716	0.03	0.13	1	2.21216	0.24716	10	2	3
i2	17.25069	0.03	0.13	1	1.18222	0.25069	10	2	3
i2	17.25344	0.03	0.13	1	1.81321	0.25344	10	2	3
i2	17.25625	0.03	0.13	1	1.44182	0.25625	10	2	3
i2	17.26245	0.03	0.13	1	1.91456	0.26245	10	2	3
i2	17.26995	0.03	0.13	1	2.07636	0.26995	10	2	3
i2	17.27222	0.03	0.13	1	2.68021	0.27222	10	2	3
i2	17.27835	0.03	0.13	1	2.72305	0.27835	10	2	3
i2	17.28276	0.03	0.13	1	1.63096	0.28276	10	2	3
i2	17.28507	0.03	0.13	1	2.13694	0.28507	10	2	3
i2	17.2923	0.03	0.13	1	2.60135	0.2923	10	2	3
i2	17.29407	0.03	0.13	1	1.82205	0.29407	10	2	3
i2	17.29889	0.03	0.13	1	1.47606	0.29889	10	2	3
i2	17.30586	0.03	0.13	1	2.66648	0.30586	10	2	3
i2	17.31048	0.03	0.13	1	2.16069	0.31048	10	2	3
i2	17.31434	0.03	0.13	1	1.41437	0.31434	10	2	3
i2	17.31644	0.03	0.13	1	1.17359	0.31644	10	2	3
i2	17.31774	0.03	0.13	1	1.75857	0.31774	10	2	3
i2	17.32383	0.03	0.13	1	1.22112	0.32383	10	2	3
i2	17.3277	0.03	0.13	1	1.79867	0.3277	10	2	3
i2	17.33486	0.03	0.13	1	1.70688	0.33486	10	2	3
i2	17.34112	0.03	0.13	1	1.19773	0.34112	10	2	3
i2	17.34586	0.03	0.13	1	2.24537	0.34586	10	2	3
i2	17.34932	0.03	0.13	1	2.06199	0.34932	10	2	3
i2	17.355	0.03	0.13	1	1.16372	0.355	10	2	3
i2	17.35861	0.03	0.13	1	1.60127	0.35861	10	2	3
i2	17.36321	0.03	0.13	1	2.36706	0.36321	10	2	3
i2	17.37013	0.03	0.13	1	1.26244	0.37013	10	2	3
i2	17.37477	0.03	0.13	1	2.14587	0.37477	10	2	3
i2	17.37736	0.03	0.13	1	1.6214	0.37736	10	2	3
i2	17.38077	0.03	0.13	1	2.08245	0.38077	10	2	3
i2	17.38331	0.03	0.13	1	1.87076	0.38331	10	2	3
i2	17.39154	0.03	0.13	1	1.34328	0.39154	10	2	3
i2	17.3986	0.03	0.13	1	1.11242	0.3986	10	2	3
i2	17.40644	0.03	0.13	1	2.48057	0.40644	10	2	3

i2	17.4104	0.03	0.13	1	1.26982	0.4104	10	2	3
i2	17.41779	0.03	0.13	1	2.01985	0.41779	10	2	3
i2	17.41983	0.03	0.13	1	2.08264	0.41983	10	2	3
i2	17.42219	0.03	0.13	1	1.88087	0.42219	10	2	3
i2	17.42505	0.03	0.13	1	1.08084	0.42505	10	2	3
i2	17.42648	0.03	0.13	1	2.31859	0.42648	10	2	3
i2	17.43477	0.03	0.13	1	1.13156	0.43477	10	2	3
i2	17.43782	0.03	0.13	1	1.28359	0.43782	10	2	3
i2	17.44442	0.03	0.13	1	2.25843	0.44442	10	2	3
i2	17.45248	0.03	0.13	1	2.29348	0.45248	10	2	3
i2	17.45559	0.03	0.13	1	2.32855	0.45559	10	2	3
i2	17.45838	0.03	0.13	1	2.59608	0.45838	10	2	3
i2	17.46248	0.03	0.13	1	2.62079	0.46248	10	2	3
i2	17.46654	0.03	0.13	1	1.22077	0.46654	10	2	3
i2	17.46775	0.03	0.13	1	1.5228	0.46775	10	2	3
i2	17.46973	0.03	0.13	1	1.51083	0.46973	10	2	3
i2	17.47113	0.03	0.13	1	1.66271	0.47113	10	2	3
i2	17.47541	0.03	0.13	1	1.2795	0.47541	10	2	3
i2	17.47923	0.03	0.13	1	1.33447	0.47923	10	2	3
i2	17.48666	0.03	0.13	1	1.04329	0.48666	10	2	3
i2	17.49062	0.03	0.13	1	1.39411	0.49062	10	2	3
i2	17.49445	0.03	0.13	1	2.95961	0.49445	10	2	3
i2	17.49798	0.03	0.13	1	2.31275	0.49798	10	2	3
i2	17.50068	0.03	0.13	1	2.67055	0.50068	10	2	3
i2	17.50852	0.03	0.13	1	1.45724	0.50852	10	2	3
i2	17.51013	0.03	0.13	1	2.23575	0.51013	10	2	3
i2	17.51192	0.03	0.13	1	2.19555	0.51192	10	2	3
i2	17.51705	0.03	0.13	1	1.2507	0.51705	10	2	3
i2	17.51933	0.03	0.13	1	1.23115	0.51933	10	2	3
i2	17.52495	0.03	0.13	1	1.43818	0.52495	10	2	3
i2	17.52985	0.03	0.13	1	2.57768	0.52985	10	2	3
i2	17.53389	0.03	0.13	1	2.90069	0.53389	10	2	3
i2	17.53676	0.03	0.13	1	1.20193	0.53676	10	2	3
i2	17.54143	0.03	0.13	1	1.68933	0.54143	10	2	3
i2	17.54324	0.03	0.13	1	2.43578	0.54324	10	2	3
i2	17.54863	0.03	0.13	1	2.12738	0.54863	10	2	3
i2	17.55255	0.03	0.13	1	2.17899	0.55255	10	2	3
i2	17.55806	0.03	0.13	1	1.40878	0.55806	10	2	3
i2	17.56256	0.03	0.13	1	2.03465	0.56256	10	2	3
i2	17.56684	0.03	0.13	1	1.47976	0.56684	10	2	3
i2	17.56802	0.03	0.13	1	1.66152	0.56802	10	2	3
i2	17.57517	0.03	0.13	1	1.48269	0.57517	10	2	3
i2	17.57665	0.03	0.13	1	2.03885	0.57665	10	2	3
i2	17.57802	0.03	0.13	1	2.69485	0.57802	10	2	3
i2	17.57969	0.03	0.13	1	2.19785	0.57969	10	2	3
i2	17.58091	0.03	0.13	1	2.40047	0.58091	10	2	3
i2	17.58702	0.03	0.13	1	1.99303	0.58702	10	2	3
i2	17.59388	0.03	0.13	1	1.13183	0.59388	10	2	3
i2	17.59534	0.03	0.13	1	1.85978	0.59534	10	2	3
i2	17.60125	0.03	0.13	1	2.78992	0.60125	10	2	3
i2	17.60565	0.03	0.13	1	2.05993	0.60565	10	2	3
i2	17.60966	0.03	0.13	1	1.88353	0.60966	10	2	3
i2	17.61239	0.03	0.13	1	2.10764	0.61239	10	2	3
i2	17.61783	0.03	0.13	1	1.92565	0.61783	10	2	3
i2	17.6203	0.03	0.13	1	2.02853	0.6203	10	2	3
i2	17.6244	0.03	0.13	1	2.29182	0.6244	10	2	3
i2	17.62649	0.03	0.13	1	2.00084	0.62649	10	2	3
i2	17.6307	0.03	0.13	1	1.04656	0.6307	10	2	3
i2	17.63356	0.03	0.13	1	2.65946	0.63356	10	2	3
i2	17.63897	0.03	0.13	1	1.76649	0.63897	10	2	3
i2	17.64542	0.03	0.13	1	1.18739	0.64542	10	2	3
i2	17.64757	0.03	0.13	1	2.99206	0.64757	10	2	3
i2	17.64963	0.03	0.13	1	1.69182	0.64963	10	2	3
i2	17.6527	0.03	0.13	1	2.11396	0.6527	10	2	3
i2	17.65905	0.03	0.13	1	1.9978	0.65905	10	2	3
i2	17.66366	0.03	0.13	1	1.11635	0.66366	10	2	3
i2	17.66787	0.03	0.13	1	1.48471	0.66787	10	2	3
i2	17.67103	0.03	0.13	1	2.23419	0.67103	10	2	3

i2	17.67337	0.03	0.13	1	1.02989	0.67337	10	2	3
i2	17.6748	0.03	0.13	1	2.76117	0.6748	10	2	3
i2	17.67913	0.03	0.13	1	2.58273	0.67913	10	2	3
i2	17.68202	0.03	0.13	1	1.47716	0.68202	10	2	3
i2	17.68398	0.03	0.13	1	2.34853	0.68398	10	2	3
i2	17.68751	0.03	0.13	1	2.30115	0.68751	10	2	3
i2	17.69448	0.03	0.13	1	2.67995	0.69448	10	2	3
i2	17.70086	0.03	0.13	1	1.31662	0.70086	10	2	3
i2	17.70511	0.03	0.13	1	2.81063	0.70511	10	2	3
i2	17.70697	0.03	0.13	1	2.12881	0.70697	10	2	3
i2	17.7086	0.03	0.13	1	2.32241	0.7086	10	2	3
i2	17.71278	0.03	0.13	1	1.63662	0.71278	10	2	3
i2	17.71699	0.03	0.13	1	1.51133	0.71699	10	2	3
i2	17.72257	0.03	0.13	1	1.51353	0.72257	10	2	3
i2	17.72598	0.03	0.13	1	2.23746	0.72598	10	2	3
i2	17.72944	0.03	0.13	1	1.70764	0.72944	10	2	3
i2	17.73545	0.03	0.13	1	2.56185	0.73545	10	2	3
i2	17.73918	0.03	0.13	1	2.52002	0.73918	10	2	3
i2	17.74512	0.03	0.13	1	2.34308	0.74512	10	2	3
i2	17.75156	0.03	0.13	1	2.66234	0.75156	10	2	3
i2	17.75403	0.03	0.13	1	1.27611	0.75403	10	2	3
i2	17.76089	0.03	0.13	1	1.30422	0.76089	10	2	3
i2	17.76625	0.03	0.13	1	1.47067	0.76625	10	2	3
i2	17.77263	0.03	0.13	1	2.6499	0.77263	10	2	3
i2	17.77411	0.03	0.13	1	2.41901	0.77411	10	2	3
i2	17.77699	0.03	0.13	1	1.19667	0.77699	10	2	3
i2	17.77992	0.03	0.13	1	1.40048	0.77992	10	2	3
i2	17.7838	0.03	0.13	1	1.22238	0.7838	10	2	3
i2	17.78712	0.03	0.13	1	2.50817	0.78712	10	2	3
i2	17.79036	0.03	0.13	1	1.30617	0.79036	10	2	3
i2	17.79292	0.03	0.13	1	1.80966	0.79292	10	2	3
i2	17.79509	0.03	0.13	1	1.90212	0.79509	10	2	3
i2	17.79864	0.03	0.13	1	1.15401	0.79864	10	2	3
i2	17.79979	0.03	0.13	1	1.84571	0.79979	10	2	3
i2	17.80449	0.03	0.13	1	2.65622	0.80449	10	2	3
i2	17.80632	0.03	0.13	1	1.4906	0.80632	10	2	3
i2	17.80767	0.03	0.13	1	2.34625	0.80767	10	2	3
i2	17.80899	0.03	0.13	1	2.23319	0.80899	10	2	3
i2	17.81113	0.03	0.13	1	1.47729	0.81113	10	2	3
i2	17.81784	0.03	0.13	1	1.63256	0.81784	10	2	3
i2	17.82011	0.03	0.13	1	1.88663	0.82011	10	2	3
i2	17.82727	0.03	0.13	1	2.463	0.82727	10	2	3
i2	17.83445	0.03	0.13	1	1.72592	0.83445	10	2	3
i2	17.83551	0.03	0.13	1	1.76294	0.83551	10	2	3
i2	17.84199	0.03	0.13	1	2.59162	0.84199	10	2	3
i2	17.84676	0.03	0.13	1	2.3995	0.84676	10	2	3
i2	17.851	0.03	0.13	1	1.2464	0.851	10	2	3
i2	17.85304	0.03	0.13	1	2.12252	0.85304	10	2	3
i2	17.85884	0.03	0.13	1	1.37163	0.85884	10	2	3
i2	17.86145	0.03	0.13	1	1.30121	0.86145	10	2	3
i2	17.86617	0.03	0.13	1	2.02035	0.86617	10	2	3
i2	17.86829	0.03	0.13	1	1.51722	0.86829	10	2	3
i2	17.87474	0.03	0.13	1	2.47475	0.87474	10	2	3
i2	17.88107	0.03	0.13	1	1.60472	0.88107	10	2	3
i2	17.88356	0.03	0.13	1	1.58058	0.88356	10	2	3
i2	17.88479	0.03	0.13	1	1.97483	0.88479	10	2	3
i2	17.8875	0.03	0.13	1	2.0955	0.8875	10	2	3
i2	17.89089	0.03	0.13	1	1.84022	0.89089	10	2	3
i2	17.89751	0.03	0.13	1	1.92323	0.89751	10	2	3
i2	17.89952	0.03	0.13	1	2.76284	0.89952	10	2	3
i2	17.9045	0.03	0.13	1	1.49431	0.9045	10	2	3
i2	17.90956	0.03	0.13	1	2.71025	0.90956	10	2	3
i2	17.91455	0.03	0.13	1	2.81574	0.91455	10	2	3
i2	17.91579	0.03	0.13	1	1.40575	0.91579	10	2	3
i2	17.91883	0.03	0.13	1	2.36841	0.91883	10	2	3
i2	17.92306	0.03	0.13	1	2.03179	0.92306	10	2	3
i2	17.92589	0.03	0.13	1	2.87134	0.92589	10	2	3
i2	17.93097	0.03	0.13	1	1.58551	0.93097	10	2	3

i2	17.93471	0.03	0.13	1	1.22605	0.93471	10	2	3
i2	17.93618	0.03	0.13	1	2.60272	0.93618	10	2	3
i2	17.93775	0.03	0.13	1	2.23448	0.93775	10	2	3
i2	17.94257	0.03	0.13	1	1.36284	0.94257	10	2	3
i2	17.94547	0.03	0.13	1	2.07184	0.94547	10	2	3
i2	17.94696	0.03	0.13	1	1.22838	0.94696	10	2	3
i2	17.94835	0.03	0.13	1	2.2523	0.94835	10	2	3
i2	17.95027	0.03	0.13	1	1.24905	0.95027	10	2	3
i2	17.95365	0.03	0.13	1	1.53177	0.95365	10	2	3
i2	17.96146	0.03	0.13	1	1.18969	0.96146	10	2	3
i2	17.96545	0.03	0.13	1	1.86761	0.96545	10	2	3
i2	17.96794	0.03	0.13	1	1.0002	0.96794	10	2	3
i2	17.97267	0.03	0.13	1	1.2102	0.97267	10	2	3
i2	17.97532	0.03	0.13	1	2.75683	0.97532	10	2	3
i2	17.97665	0.03	0.13	1	1.47198	0.97665	10	2	3
i2	17.97904	0.03	0.13	1	1.07255	0.97904	10	2	3
i2	17.9854	0.03	0.13	1	1.12461	0.9854	10	2	3
i2	17.98776	0.03	0.13	1	1.71156	0.98776	10	2	3
i2	17.98938	0.03	0.13	1	2.00204	0.98938	10	2	3
i2	17.99088	0.03	0.13	1	1.86824	0.99088	10	2	3
i2	17.99476	0.03	0.13	1	1.61137	0.99476	10	2	3
i2	17.99619	0.03	0.13	1	1.5309	0.99619	10	2	3
i2	17.99821	0.03	0.13	1	1.58226	0.99821	10	2	3
i2	17.99963	0.03	0.13	1	2.42599	0.99963	10	2	3
i2	18.00535	0.03	0.13	1	1.80896	0.00535	10	2	3
i2	18.0071	0.03	0.13	1	1.63916	0.0071	10	2	3
i2	18.01147	0.03	0.13	1	1.29707	0.01147	10	2	3
i2	18.01787	0.03	0.13	1	1.01354	0.01787	10	2	3
i2	18.02137	0.03	0.13	1	1.94278	0.02137	10	2	3
i2	18.02304	0.03	0.13	1	1.77767	0.02304	10	2	3
i2	18.02779	0.03	0.13	1	1.9048	0.02779	10	2	3
i2	18.03473	0.03	0.13	1	1.42068	0.03473	10	2	3
i2	18.04119	0.03	0.13	1	2.50524	0.04119	10	2	3
i2	18.04411	0.03	0.13	1	1.23148	0.04411	10	2	3
i2	18.05089	0.03	0.13	1	2.93369	0.05089	10	2	3
i2	18.05229	0.03	0.13	1	2.73516	0.05229	10	2	3
i2	18.05551	0.03	0.13	1	2.13271	0.05551	10	2	3
i2	18.05749	0.03	0.13	1	2.84637	0.05749	10	2	3
i2	18.06234	0.03	0.13	1	1.1932	0.06234	10	2	3
i2	18.06702	0.03	0.13	1	2.5157	0.06702	10	2	3
i2	18.07188	0.03	0.13	1	2.14966	0.07188	10	2	3
i2	18.07804	0.03	0.13	1	1.54073	0.07804	10	2	3
i2	18.08146	0.03	0.13	1	2.07689	0.08146	10	2	3
i2	18.0831	0.03	0.13	1	2.68368	0.0831	10	2	3
i2	18.09005	0.03	0.13	1	2.68142	0.09005	10	2	3
i2	18.09354	0.03	0.13	1	2.00206	0.09354	10	2	3
i2	18.097	0.03	0.13	1	2.46558	0.097	10	2	3
i2	18.10163	0.03	0.13	1	1.64893	0.10163	10	2	3
i2	18.10647	0.03	0.13	1	1.55348	0.10647	10	2	3
i2	18.1109	0.03	0.13	1	2.3599	0.1109	10	2	3
i2	18.11581	0.03	0.13	1	1.047	0.11581	10	2	3
i2	18.12074	0.03	0.13	1	1.39007	0.12074	10	2	3
i2	18.1232	0.03	0.13	1	1.40243	0.1232	10	2	3
i2	18.12623	0.03	0.13	1	1.22029	0.12623	10	2	3
i2	18.13124	0.03	0.13	1	1.43108	0.13124	10	2	3
i2	18.13633	0.03	0.13	1	2.11206	0.13633	10	2	3
i2	18.13994	0.03	0.13	1	2.05952	0.13994	10	2	3
i2	18.14155	0.03	0.13	1	1.8578	0.14155	10	2	3
i2	18.14488	0.03	0.13	1	1.71753	0.14488	10	2	3
i2	18.14943	0.03	0.13	1	2.1803	0.14943	10	2	3
i2	18.15091	0.03	0.13	1	1.33779	0.15091	10	2	3
i2	18.15269	0.03	0.13	1	2.81423	0.15269	10	2	3
i2	18.15681	0.03	0.13	1	1.75934	0.15681	10	2	3
i2	18.16113	0.03	0.13	1	1.04821	0.16113	10	2	3
i2	18.16452	0.03	0.13	1	1.79445	0.16452	10	2	3
i2	18.16836	0.03	0.13	1	1.42737	0.16836	10	2	3
i2	18.17281	0.03	0.13	1	2.58182	0.17281	10	2	3
i2	18.17475	0.03	0.13	1	1.19154	0.17475	10	2	3

i2	18.17745	0.03	0.13	1	1.77284	0.17745	10	2	3
i2	18.18095	0.03	0.13	1	2.7062	0.18095	10	2	3
i2	18.1846	0.03	0.13	1	1.35593	0.1846	10	2	3
i2	18.18943	0.03	0.13	1	2.60457	0.18943	10	2	3
i2	18.1911	0.03	0.13	1	2.72418	0.1911	10	2	3
i2	18.19297	0.03	0.13	1	2.06178	0.19297	10	2	3
i2	18.19682	0.03	0.13	1	2.11689	0.19682	10	2	3
i2	18.19793	0.03	0.13	1	1.09994	0.19793	10	2	3
i2	18.19935	0.03	0.13	1	1.27072	0.19935	10	2	3
i2	18.20042	0.03	0.13	1	1.27033	0.20042	10	2	3
i2	18.20316	0.03	0.13	1	1.96857	0.20316	10	2	3
i2	18.208	0.03	0.13	1	1.81436	0.208	10	2	3
i2	18.21004	0.03	0.13	1	1.42418	0.21004	10	2	3
i2	18.2135	0.03	0.13	1	1.67291	0.2135	10	2	3
i2	18.21675	0.03	0.13	1	1.72215	0.21675	10	2	3
i2	18.21878	0.03	0.13	1	2.06663	0.21878	10	2	3
i2	18.22161	0.03	0.13	1	1.65231	0.22161	10	2	3
i2	18.22357	0.03	0.13	1	2.6222	0.22357	10	2	3
i2	18.2262	0.03	0.13	1	2.13203	0.2262	10	2	3
i2	18.23009	0.03	0.13	1	2.61113	0.23009	10	2	3
i2	18.23346	0.03	0.13	1	2.67739	0.23346	10	2	3
i2	18.23712	0.03	0.13	1	1.46025	0.23712	10	2	3
i2	18.23861	0.03	0.13	1	2.10136	0.23861	10	2	3
i2	18.23997	0.03	0.13	1	1.49034	0.23997	10	2	3
i2	18.24408	0.03	0.13	1	2.12852	0.24408	10	2	3
i2	18.24751	0.03	0.13	1	2.76495	0.24751	10	2	3
i2	18.2495	0.03	0.13	1	1.35787	0.2495	10	2	3
i2	18.25314	0.03	0.13	1	1.92411	0.25314	10	2	3
i2	18.25783	0.03	0.13	1	2.45291	0.25783	10	2	3
i2	18.26029	0.03	0.13	1	2.85443	0.26029	10	2	3
i2	18.26622	0.03	0.13	1	2.9592	0.26622	10	2	3
i2	18.26994	0.03	0.13	1	1.63439	0.26994	10	2	3
i2	18.27557	0.03	0.13	1	2.1907	0.27557	10	2	3
i2	18.28089	0.03	0.13	1	1.18988	0.28089	10	2	3
i2	18.28497	0.03	0.13	1	1.25489	0.28497	10	2	3
i2	18.2878	0.03	0.13	1	1.86592	0.2878	10	2	3
i2	18.2895	0.03	0.13	1	1.35904	0.2895	10	2	3
i2	18.29174	0.03	0.13	1	2.53274	0.29174	10	2	3
i2	18.29475	0.03	0.13	1	1.82357	0.29475	10	2	3
i2	18.29784	0.03	0.13	1	2.3929	0.29784	10	2	3
i2	18.30135	0.03	0.13	1	1.52846	0.30135	10	2	3
i2	18.30362	0.03	0.13	1	1.94679	0.30362	10	2	3
i2	18.30769	0.03	0.13	1	2.02389	0.30769	10	2	3
i2	18.30893	0.03	0.13	1	2.89786	0.30893	10	2	3
i2	18.31215	0.03	0.13	1	2.41401	0.31215	10	2	3
i2	18.31591	0.03	0.13	1	2.74516	0.31591	10	2	3
i2	18.32053	0.03	0.13	1	1.7776	0.32053	10	2	3
i2	18.32584	0.03	0.13	1	1.82916	0.32584	10	2	3
i2	18.3286	0.03	0.13	1	1.05232	0.3286	10	2	3
i2	18.33058	0.03	0.13	1	1.48368	0.33058	10	2	3
i2	18.33364	0.03	0.13	1	1.71569	0.33364	10	2	3
i2	18.3382	0.03	0.13	1	1.1108	0.3382	10	2	3
i2	18.34039	0.03	0.13	1	1.75768	0.34039	10	2	3
i2	18.34258	0.03	0.13	1	2.12158	0.34258	10	2	3
i2	18.34728	0.03	0.13	1	1.01331	0.34728	10	2	3
i2	18.35103	0.03	0.13	1	1.77264	0.35103	10	2	3
i2	18.35602	0.03	0.13	1	1.48319	0.35602	10	2	3
i2	18.35892	0.03	0.13	1	1.694	0.35892	10	2	3
i2	18.36207	0.03	0.13	1	1.74686	0.36207	10	2	3
i2	18.36667	0.03	0.13	1	1.4091	0.36667	10	2	3
i2	18.36976	0.03	0.13	1	1.72623	0.36976	10	2	3
i2	18.37225	0.03	0.13	1	2.02533	0.37225	10	2	3
i2	18.37595	0.03	0.13	1	1.66304	0.37595	10	2	3
i2	18.37811	0.03	0.13	1	2.55263	0.37811	10	2	3
i2	18.38003	0.03	0.13	1	1.81847	0.38003	10	2	3
i2	18.38164	0.03	0.13	1	2.15552	0.38164	10	2	3
i2	18.38622	0.03	0.13	1	1.5897	0.38622	10	2	3
i2	18.38786	0.03	0.13	1	2.11479	0.38786	10	2	3

i2	18.39068	0.03	0.13	1	1.67171	0.39068	10	2	3
i2	18.39447	0.03	0.13	1	2.52279	0.39447	10	2	3
i2	18.3985	0.03	0.13	1	2.13716	0.3985	10	2	3
i2	18.3996	0.03	0.13	1	1.54404	0.3996	10	2	3
i2	18.40193	0.03	0.13	1	1.32205	0.40193	10	2	3
i2	18.40559	0.03	0.13	1	2.88399	0.40559	10	2	3
i2	18.40685	0.03	0.13	1	1.0393	0.40685	10	2	3
i2	18.40845	0.03	0.13	1	1.30868	0.40845	10	2	3
i2	18.41044	0.03	0.13	1	1.91569	0.41044	10	2	3
i2	18.41177	0.03	0.13	1	1.48518	0.41177	10	2	3
i2	18.41297	0.03	0.13	1	1.396	0.41297	10	2	3
i2	18.41624	0.03	0.13	1	1.07932	0.41624	10	2	3
i2	18.41763	0.03	0.13	1	1.72622	0.41763	10	2	3
i2	18.41964	0.03	0.13	1	2.46287	0.41964	10	2	3
i2	18.42169	0.03	0.13	1	1.22267	0.42169	10	2	3
i2	18.42428	0.03	0.13	1	2.26775	0.42428	10	2	3
i2	18.42631	0.03	0.13	1	1.95533	0.42631	10	2	3
i2	18.42739	0.03	0.13	1	2.30009	0.42739	10	2	3
i2	18.43059	0.03	0.13	1	1.52869	0.43059	10	2	3
i2	18.43366	0.03	0.13	1	1.82637	0.43366	10	2	3
i2	18.43758	0.03	0.13	1	1.25113	0.43758	10	2	3
i2	18.44023	0.03	0.13	1	2.44887	0.44023	10	2	3
i2	18.44181	0.03	0.13	1	1.71707	0.44181	10	2	3
i2	18.44286	0.03	0.13	1	2.21509	0.44286	10	2	3
i2	18.44506	0.03	0.13	1	1.89555	0.44506	10	2	3
i2	18.44785	0.03	0.13	1	1.79388	0.44785	10	2	3
i2	18.45107	0.03	0.13	1	1.38873	0.45107	10	2	3
i2	18.45214	0.03	0.13	1	2.66662	0.45214	10	2	3
i2	18.45507	0.03	0.13	1	1.63377	0.45507	10	2	3
i2	18.45971	0.03	0.13	1	1.5609	0.45971	10	2	3
i2	18.46237	0.03	0.13	1	1.29663	0.46237	10	2	3
i2	18.46645	0.03	0.13	1	1.52643	0.46645	10	2	3
i2	18.46883	0.03	0.13	1	1.85509	0.46883	10	2	3
i2	18.47036	0.03	0.13	1	1.84786	0.47036	10	2	3
i2	18.47396	0.03	0.13	1	1.43718	0.47396	10	2	3
i2	18.47594	0.03	0.13	1	1.35539	0.47594	10	2	3
i2	18.47759	0.03	0.13	1	1.2212	0.47759	10	2	3
i2	18.48151	0.03	0.13	1	1.07162	0.48151	10	2	3
i2	18.48398	0.03	0.13	1	2.0385	0.48398	10	2	3
i2	18.4858	0.03	0.13	1	2.01971	0.4858	10	2	3
i2	18.48715	0.03	0.13	1	1.95801	0.48715	10	2	3
i2	18.48877	0.03	0.13	1	2.22278	0.48877	10	2	3
i2	18.49012	0.03	0.13	1	2.69463	0.49012	10	2	3
i2	18.49318	0.03	0.13	1	2.37272	0.49318	10	2	3
i2	18.49426	0.03	0.13	1	1.51332	0.49426	10	2	3
i2	18.4968	0.03	0.13	1	1.84351	0.4968	10	2	3
i2	18.5003	0.03	0.13	1	2.24843	0.5003	10	2	3
i2	18.50338	0.03	0.13	1	1.96164	0.50338	10	2	3
i2	18.50708	0.03	0.13	1	2.26347	0.50708	10	2	3
i2	18.50911	0.03	0.13	1	2.58608	0.50911	10	2	3
i2	18.51082	0.03	0.13	1	1.33666	0.51082	10	2	3
i2	18.51265	0.03	0.13	1	1.52443	0.51265	10	2	3
i2	18.51446	0.03	0.13	1	1.47839	0.51446	10	2	3
i2	18.51738	0.03	0.13	1	1.43114	0.51738	10	2	3
i2	18.51946	0.03	0.13	1	2.6797	0.51946	10	2	3
i2	18.5205	0.03	0.13	1	1.65325	0.5205	10	2	3
i2	18.5219	0.03	0.13	1	1.33187	0.5219	10	2	3
i2	18.52389	0.03	0.13	1	1.41788	0.52389	10	2	3
i2	18.52618	0.03	0.13	1	1.8783	0.52618	10	2	3
i2	18.52878	0.03	0.13	1	2.44612	0.52878	10	2	3
i2	18.53165	0.03	0.13	1	1.38838	0.53165	10	2	3
i2	18.53411	0.03	0.13	1	1.89057	0.53411	10	2	3
i2	18.53583	0.03	0.13	1	2.73579	0.53583	10	2	3
i2	18.53841	0.03	0.13	1	2.32864	0.53841	10	2	3
i2	18.54206	0.03	0.13	1	1.92746	0.54206	10	2	3
i2	18.54431	0.03	0.13	1	2.09926	0.54431	10	2	3
i2	18.54728	0.03	0.13	1	1.33303	0.54728	10	2	3
i2	18.54968	0.03	0.13	1	1.50199	0.54968	10	2	3

i2	18.55137	0.03	0.13	1	2.43994	0.55137	10	2	3
i2	18.55352	0.03	0.13	1	1.22571	0.55352	10	2	3
i2	18.55612	0.03	0.13	1	1.69054	0.55612	10	2	3
i2	18.55798	0.03	0.13	1	2.07675	0.55798	10	2	3
i2	18.56132	0.03	0.13	1	2.10512	0.56132	10	2	3
i2	18.56429	0.03	0.13	1	1.79735	0.56429	10	2	3
i2	18.56721	0.03	0.13	1	1.32947	0.56721	10	2	3
i2	18.5684	0.03	0.13	1	1.4424	0.5684	10	2	3
i2	18.56953	0.03	0.13	1	1.2127	0.56953	10	2	3
i2	18.57285	0.03	0.13	1	2.85031	0.57285	10	2	3
i2	18.57634	0.03	0.13	1	1.35437	0.57634	10	2	3
i2	18.57771	0.03	0.13	1	2.6234	0.57771	10	2	3
i2	18.57943	0.03	0.13	1	1.07929	0.57943	10	2	3
i2	18.58137	0.03	0.13	1	1.22216	0.58137	10	2	3
i2	18.58377	0.03	0.13	1	1.90699	0.58377	10	2	3
i2	18.5855	0.03	0.13	1	1.56696	0.5855	10	2	3
i2	18.5878	0.03	0.13	1	1.43798	0.5878	10	2	3
i2	18.59161	0.03	0.13	1	1.65017	0.59161	10	2	3
i2	18.59314	0.03	0.13	1	2.90121	0.59314	10	2	3
i2	18.59587	0.03	0.13	1	1.68162	0.59587	10	2	3
i2	18.59922	0.03	0.13	1	1.97865	0.59922	10	2	3
i2	18.60218	0.03	0.13	1	1.98946	0.60218	10	2	3
i2	18.6051	0.03	0.13	1	1.71052	0.6051	10	2	3
i2	18.60774	0.03	0.13	1	2.03771	0.60774	10	2	3
i2	18.61147	0.03	0.13	1	1.94132	0.61147	10	2	3
i2	18.61513	0.03	0.13	1	1.61702	0.61513	10	2	3
i2	18.61687	0.03	0.13	1	1.42233	0.61687	10	2	3
i2	18.61957	0.03	0.13	1	1.71309	0.61957	10	2	3
i2	18.62066	0.03	0.13	1	1.40512	0.62066	10	2	3
i2	18.62187	0.03	0.13	1	2.31638	0.62187	10	2	3
i2	18.62312	0.03	0.13	1	2.65515	0.62312	10	2	3
i2	18.62546	0.03	0.13	1	1.17541	0.62546	10	2	3
i2	18.62762	0.03	0.13	1	1.6152	0.62762	10	2	3
i2	18.62933	0.03	0.13	1	1.15112	0.62933	10	2	3
i2	18.63163	0.03	0.13	1	1.42552	0.63163	10	2	3
i2	18.63336	0.03	0.13	1	2.49726	0.63336	10	2	3
i2	18.63472	0.03	0.13	1	1.47426	0.63472	10	2	3
i2	18.63855	0.03	0.13	1	1.04054	0.63855	10	2	3
i2	18.63996	0.03	0.13	1	1.6984	0.63996	10	2	3
i2	18.64269	0.03	0.13	1	2.88242	0.64269	10	2	3
i2	18.64512	0.03	0.13	1	2.44474	0.64512	10	2	3
i2	18.64815	0.03	0.13	1	1.37069	0.64815	10	2	3
i2	18.65039	0.03	0.13	1	1.67354	0.65039	10	2	3
i2	18.65166	0.03	0.13	1	1.16907	0.65166	10	2	3
i2	18.6538	0.03	0.13	1	1.07265	0.6538	10	2	3
i2	18.65498	0.03	0.13	1	1.16268	0.65498	10	2	3
i2	18.65645	0.03	0.13	1	1.24011	0.65645	10	2	3
i2	18.6576	0.03	0.13	1	1.72198	0.6576	10	2	3
i2	18.66096	0.03	0.13	1	2.42639	0.66096	10	2	3
i2	18.66321	0.03	0.13	1	1.48254	0.66321	10	2	3
i2	18.66516	0.03	0.13	1	2.18715	0.66516	10	2	3
i2	18.66776	0.03	0.13	1	2.30568	0.66776	10	2	3
i2	18.66916	0.03	0.13	1	1.68441	0.66916	10	2	3
i2	18.67093	0.03	0.13	1	2.9473	0.67093	10	2	3
i2	18.67257	0.03	0.13	1	2.44141	0.67257	10	2	3
i2	18.67412	0.03	0.13	1	1.30953	0.67412	10	2	3
i2	18.67641	0.03	0.13	1	1.88087	0.67641	10	2	3
i2	18.67803	0.03	0.13	1	2.28293	0.67803	10	2	3
i2	18.67984	0.03	0.13	1	2.29764	0.67984	10	2	3
i2	18.68207	0.03	0.13	1	1.23097	0.68207	10	2	3
i2	18.68346	0.03	0.13	1	2.0991	0.68346	10	2	3
i2	18.68648	0.03	0.13	1	1.61003	0.68648	10	2	3
i2	18.68874	0.03	0.13	1	1.12973	0.68874	10	2	3
i2	18.69058	0.03	0.13	1	1.19713	0.69058	10	2	3
i2	18.69294	0.03	0.13	1	1.12297	0.69294	10	2	3
i2	18.69437	0.03	0.13	1	1.72618	0.69437	10	2	3
i2	18.69684	0.03	0.13	1	1.8058	0.69684	10	2	3
i2	18.69887	0.03	0.13	1	1.54087	0.69887	10	2	3

i2	18.70148	0.03	0.13	1	1.38645	0.70148	10	2	3
i2	18.70342	0.03	0.13	1	2.63979	0.70342	10	2	3
i2	18.70579	0.03	0.13	1	1.08557	0.70579	10	2	3
i2	18.70729	0.03	0.13	1	2.77197	0.70729	10	2	3
i2	18.70984	0.03	0.13	1	2.04625	0.70984	10	2	3
i2	18.71105	0.03	0.13	1	2.03718	0.71105	10	2	3
i2	18.7123	0.03	0.13	1	2.32097	0.7123	10	2	3
i2	18.71445	0.03	0.13	1	1.35915	0.71445	10	2	3
i2	18.71565	0.03	0.13	1	1.86613	0.71565	10	2	3
i2	18.71748	0.03	0.13	1	2.88368	0.71748	10	2	3
i2	18.71959	0.03	0.13	1	1.43786	0.71959	10	2	3
i2	18.72149	0.03	0.13	1	2.70276	0.72149	10	2	3
i2	18.72423	0.03	0.13	1	2.07411	0.72423	10	2	3
i2	18.72562	0.03	0.13	1	1.75553	0.72562	10	2	3
i2	18.72707	0.03	0.13	1	1.03603	0.72707	10	2	3
i2	18.72842	0.03	0.13	1	2.63912	0.72842	10	2	3
i2	18.72991	0.03	0.13	1	1.56821	0.72991	10	2	3
i2	18.73294	0.03	0.13	1	2.67852	0.73294	10	2	3
i2	18.73454	0.03	0.13	1	1.66444	0.73454	10	2	3
i2	18.73665	0.03	0.13	1	2.98418	0.73665	10	2	3
i2	18.7382	0.03	0.13	1	2.24032	0.7382	10	2	3
i2	18.74076	0.03	0.13	1	1.97756	0.74076	10	2	3
i2	18.74294	0.03	0.13	1	2.58918	0.74294	10	2	3
i2	18.74556	0.03	0.13	1	2.1277	0.74556	10	2	3
i2	18.74697	0.03	0.13	1	2.56798	0.74697	10	2	3
i2	18.74928	0.03	0.13	1	2.4931	0.74928	10	2	3
i2	18.75074	0.03	0.13	1	2.61554	0.75074	10	2	3
i2	18.75276	0.03	0.13	1	1.04599	0.75276	10	2	3
i2	18.75405	0.03	0.13	1	1.11498	0.75405	10	2	3
i2	18.75627	0.03	0.13	1	1.29627	0.75627	10	2	3
i2	18.75733	0.03	0.13	1	1.87416	0.75733	10	2	3
i2	18.75859	0.03	0.13	1	1.77739	0.75859	10	2	3
i2	18.76151	0.03	0.13	1	2.03963	0.76151	10	2	3
i2	18.76277	0.03	0.13	1	2.03382	0.76277	10	2	3
i2	18.76445	0.03	0.13	1	1.93502	0.76445	10	2	3
i2	18.76664	0.03	0.13	1	1.67514	0.76664	10	2	3
i2	18.76893	0.03	0.13	1	2.7211	0.76893	10	2	3
i2	18.77125	0.03	0.13	1	2.63792	0.77125	10	2	3
i2	18.77288	0.03	0.13	1	2.62086	0.77288	10	2	3
i2	18.77472	0.03	0.13	1	1.57357	0.77472	10	2	3
i2	18.77583	0.03	0.13	1	2.29357	0.77583	10	2	3
i2	18.77766	0.03	0.13	1	2.45086	0.77766	10	2	3
i2	18.7791	0.03	0.13	1	1.29938	0.7791	10	2	3
i2	18.78108	0.03	0.13	1	1.97832	0.78108	10	2	3
i2	18.78408	0.03	0.13	1	1.35642	0.78408	10	2	3
i2	18.7873	0.03	0.13	1	1.38106	0.7873	10	2	3
i2	18.78953	0.03	0.13	1	1.5772	0.78953	10	2	3
i2	18.79266	0.03	0.13	1	1.85625	0.79266	10	2	3
i2	18.79413	0.03	0.13	1	1.42335	0.79413	10	2	3
i2	18.79533	0.03	0.13	1	1.03661	0.79533	10	2	3
i2	18.79721	0.03	0.13	1	1.45384	0.79721	10	2	3
i2	18.79847	0.03	0.13	1	2.75133	0.79847	10	2	3
i2	18.80005	0.03	0.13	1	2.31085	0.80005	10	2	3
i2	18.80238	0.03	0.13	1	1.65865	0.80238	10	2	3
i2	18.80381	0.03	0.13	1	1.66145	0.80381	10	2	3
i2	18.80578	0.03	0.13	1	1.84399	0.80578	10	2	3
i2	18.80703	0.03	0.13	1	1.22589	0.80703	10	2	3
i2	18.80851	0.03	0.13	1	1.59326	0.80851	10	2	3
i2	18.81086	0.03	0.13	1	1.01828	0.81086	10	2	3
i2	18.81254	0.03	0.13	1	1.61321	0.81254	10	2	3
i2	18.8138	0.03	0.13	1	1.42352	0.8138	10	2	3
i2	18.81534	0.03	0.13	1	1.49948	0.81534	10	2	3
i2	18.8164	0.03	0.13	1	1.12256	0.8164	10	2	3
i2	18.81856	0.03	0.13	1	1.33225	0.81856	10	2	3
i2	18.82007	0.03	0.13	1	2.29936	0.82007	10	2	3
i2	18.82228	0.03	0.13	1	1.03981	0.82228	10	2	3
i2	18.82417	0.03	0.13	1	1.01923	0.82417	10	2	3
i2	18.82637	0.03	0.13	1	1.92554	0.82637	10	2	3

i2	18.82881	0.03	0.13	1	1.33104	0.82881	10	2	3
i2	18.83045	0.03	0.13	1	2.06474	0.83045	10	2	3
i2	18.83176	0.03	0.13	1	2.21429	0.83176	10	2	3
i2	18.83347	0.03	0.13	1	1.27424	0.83347	10	2	3
i2	18.83493	0.03	0.13	1	1.2145	0.83493	10	2	3
i2	18.8367	0.03	0.13	1	2.90353	0.8367	10	2	3
i2	18.83805	0.03	0.13	1	2.95051	0.83805	10	2	3
i2	18.83979	0.03	0.13	1	1.47259	0.83979	10	2	3
i2	18.8412	0.03	0.13	1	1.38447	0.8412	10	2	3
i2	18.84261	0.03	0.13	1	2.23203	0.84261	10	2	3
i2	18.84435	0.03	0.13	1	1.87368	0.84435	10	2	3
i2	18.84683	0.03	0.13	1	2.02927	0.84683	10	2	3
i2	18.84803	0.03	0.13	1	1.11832	0.84803	10	2	3
i2	18.85002	0.03	0.13	1	1.93562	0.85002	10	2	3
i2	18.85132	0.03	0.13	1	2.6862	0.85132	10	2	3
i2	18.85387	0.03	0.13	1	1.86358	0.85387	10	2	3
i2	18.85578	0.03	0.13	1	1.04353	0.85578	10	2	3
i2	18.85726	0.03	0.13	1	2.70278	0.85726	10	2	3
i2	18.8584	0.03	0.13	1	2.16865	0.8584	10	2	3
i2	18.86044	0.03	0.13	1	2.6033	0.86044	10	2	3
i2	18.86196	0.03	0.13	1	1.34896	0.86196	10	2	3
i2	18.86414	0.03	0.13	1	1.98964	0.86414	10	2	3
i2	18.86553	0.03	0.13	1	1.12462	0.86553	10	2	3
i2	18.8679	0.03	0.13	1	1.77678	0.8679	10	2	3
i2	18.87007	0.03	0.13	1	2.745	0.87007	10	2	3
i2	18.87154	0.03	0.13	1	1.00706	0.87154	10	2	3
i2	18.87331	0.03	0.13	1	1.61067	0.87331	10	2	3
i2	18.87613	0.03	0.13	1	2.39312	0.87613	10	2	3
i2	18.8789	0.03	0.13	1	2.75095	0.8789	10	2	3
i2	18.88007	0.03	0.13	1	1.53545	0.88007	10	2	3
i2	18.8814	0.03	0.13	1	1.58172	0.8814	10	2	3
i2	18.88364	0.03	0.13	1	2.8701	0.88364	10	2	3
i2	18.88511	0.03	0.13	1	2.21704	0.88511	10	2	3
i2	18.88773	0.03	0.13	1	1.08568	0.88773	10	2	3
i2	18.88959	0.03	0.13	1	1.99986	0.88959	10	2	3
i2	18.89242	0.03	0.13	1	1.33452	0.89242	10	2	3
i2	18.89429	0.03	0.13	1	2.33272	0.89429	10	2	3
i2	18.89696	0.03	0.13	1	1.1103	0.89696	10	2	3
i2	18.89807	0.03	0.13	1	1.28225	0.89807	10	2	3
i2	18.90072	0.03	0.13	1	1.36045	0.90072	10	2	3
i2	18.9027	0.03	0.13	1	2.39676	0.9027	10	2	3
i2	18.90469	0.03	0.13	1	2.99001	0.90469	10	2	3
i2	18.90594	0.03	0.13	1	1.47619	0.90594	10	2	3
i2	18.90746	0.03	0.13	1	1.10657	0.90746	10	2	3
i2	18.91043	0.03	0.13	1	1.08415	0.91043	10	2	3
i2	18.91201	0.03	0.13	1	2.67166	0.91201	10	2	3
i2	18.91441	0.03	0.13	1	1.5962	0.91441	10	2	3
i2	18.91653	0.03	0.13	1	1.0425	0.91653	10	2	3
i2	18.91811	0.03	0.13	1	1.33745	0.91811	10	2	3
i2	18.91983	0.03	0.13	1	2.40385	0.91983	10	2	3
i2	18.92258	0.03	0.13	1	1.58661	0.92258	10	2	3
i2	18.9247	0.03	0.13	1	1.45529	0.9247	10	2	3
i2	18.92584	0.03	0.13	1	1.36123	0.92584	10	2	3
i2	18.92768	0.03	0.13	1	1.80109	0.92768	10	2	3
i2	18.92932	0.03	0.13	1	1.46244	0.92932	10	2	3
i2	18.93045	0.03	0.13	1	2.32786	0.93045	10	2	3
i2	18.93184	0.03	0.13	1	1.63367	0.93184	10	2	3
i2	18.93403	0.03	0.13	1	1.21313	0.93403	10	2	3
i2	18.93546	0.03	0.13	1	1.43388	0.93546	10	2	3
i2	18.93833	0.03	0.13	1	1.05318	0.93833	10	2	3
i2	18.93988	0.03	0.13	1	1.19381	0.93988	10	2	3
i2	18.94115	0.03	0.13	1	2.85803	0.94115	10	2	3
i2	18.94243	0.03	0.13	1	2.52771	0.94243	10	2	3
i2	18.9439	0.03	0.13	1	2.99605	0.9439	10	2	3
i2	18.94492	0.03	0.13	1	2.17234	0.94492	10	2	3
i2	18.94645	0.03	0.13	1	1.47194	0.94645	10	2	3
i2	18.94783	0.03	0.13	1	1.28172	0.94783	10	2	3
i2	18.94989	0.03	0.13	1	2.08494	0.94989	10	2	3

i2	18.9516	0.03	0.13	1	1.88391	0.9516	10	2	3
i2	18.95346	0.03	0.13	1	2.17174	0.95346	10	2	3
i2	18.95554	0.03	0.13	1	2.88308	0.95554	10	2	3
i2	18.95692	0.03	0.13	1	2.29914	0.95692	10	2	3
i2	18.9582	0.03	0.13	1	1.18563	0.9582	10	2	3
i2	18.96053	0.03	0.13	1	1.85423	0.96053	10	2	3
i2	18.96259	0.03	0.13	1	1.17854	0.96259	10	2	3
i2	18.96474	0.03	0.13	1	2.66696	0.96474	10	2	3
i2	18.96663	0.03	0.13	1	1.90627	0.96663	10	2	3
i2	18.9677	0.03	0.13	1	1.09191	0.9677	10	2	3
i2	18.96887	0.03	0.13	1	1.5564	0.96887	10	2	3
i2	18.97032	0.03	0.13	1	1.32306	0.97032	10	2	3
i2	18.97209	0.03	0.13	1	2.23498	0.97209	10	2	3
i2	18.9747	0.03	0.13	1	2.28356	0.9747	10	2	3
i2	18.97651	0.03	0.13	1	2.78157	0.97651	10	2	3
i2	18.97765	0.03	0.13	1	1.96248	0.97765	10	2	3
i2	18.97876	0.03	0.13	1	1.24263	0.97876	10	2	3
i2	18.98137	0.03	0.13	1	1.37634	0.98137	10	2	3
i2	18.98357	0.03	0.13	1	1.19854	0.98357	10	2	3
i2	18.98518	0.03	0.13	1	2.04467	0.98518	10	2	3
i2	18.98652	0.03	0.13	1	1.15737	0.98652	10	2	3
i2	18.98815	0.03	0.13	1	2.08294	0.98815	10	2	3
i2	18.98937	0.03	0.13	1	2.50744	0.98937	10	2	3
i2	18.992	0.03	0.13	1	2.91457	0.992	10	2	3
i2	18.99361	0.03	0.13	1	2.42639	0.99361	10	2	3
i2	18.99566	0.03	0.13	1	2.42114	0.99566	10	2	3
i2	18.99838	0.03	0.13	1	1.16087	0.99838	10	2	3
i2	18.99947	0.03	0.13	1	2.79118	0.99947	10	2	3
i2	19.00102	0.03	0.13	1	2.27431	0.00102	10	2	3
i2	19.00222	0.03	0.13	1	1.506	0.00222	10	2	3
i2	19.00344	0.03	0.13	1	1.0997	0.00344	10	2	3
i2	19.00452	0.03	0.13	1	2.1336	0.00452	10	2	3
i2	19.00681	0.03	0.13	1	1.20513	0.00681	10	2	3
i2	19.00911	0.03	0.13	1	2.31819	0.00911	10	2	3
i2	19.01031	0.03	0.13	1	1.58494	0.01031	10	2	3
i2	19.0119	0.03	0.13	1	1.72738	0.0119	10	2	3
i2	19.01437	0.03	0.13	1	1.88007	0.01437	10	2	3
i2	19.01559	0.03	0.13	1	2.99567	0.01559	10	2	3
i2	19.01784	0.03	0.13	1	1.67063	0.01784	10	2	3
i2	19.01992	0.03	0.13	1	1.58579	0.01992	10	2	3
i2	19.0214	0.03	0.13	1	1.91179	0.0214	10	2	3
i2	19.02262	0.03	0.13	1	1.65493	0.02262	10	2	3
i2	19.02493	0.03	0.13	1	1.765	0.02493	10	2	3
i2	19.02634	0.03	0.13	1	1.92963	0.02634	10	2	3
i2	19.02849	0.03	0.13	1	1.58556	0.02849	10	2	3
i2	19.02999	0.03	0.13	1	1.90294	0.02999	10	2	3
i2	19.03201	0.03	0.13	1	2.71097	0.03201	10	2	3
i2	19.03326	0.03	0.13	1	1.53928	0.03326	10	2	3
i2	19.035	0.03	0.13	1	2.05166	0.035	10	2	3
i2	19.0367	0.03	0.13	1	1.18326	0.0367	10	2	3
i2	19.03881	0.03	0.13	1	2.14057	0.03881	10	2	3
i2	19.04099	0.03	0.13	1	1.16422	0.04099	10	2	3
i2	19.0424	0.03	0.13	1	1.03045	0.0424	10	2	3
i2	19.04398	0.03	0.13	1	1.1441	0.04398	10	2	3
i2	19.04507	0.03	0.13	1	1.66822	0.04507	10	2	3
i2	19.04767	0.03	0.13	1	2.12031	0.04767	10	2	3
i2	19.0495	0.03	0.13	1	1.30848	0.0495	10	2	3
i2	19.05153	0.03	0.13	1	1.05276	0.05153	10	2	3
i2	19.05351	0.03	0.13	1	2.4028	0.05351	10	2	3
i2	19.05487	0.03	0.13	1	2.78584	0.05487	10	2	3
i2	19.05744	0.03	0.13	1	2.73325	0.05744	10	2	3
i2	19.05975	0.03	0.13	1	2.54285	0.05975	10	2	3
i2	19.06143	0.03	0.13	1	2.21978	0.06143	10	2	3
i2	19.06323	0.03	0.13	1	1.77942	0.06323	10	2	3
i2	19.06454	0.03	0.13	1	1.75002	0.06454	10	2	3
i2	19.06709	0.03	0.13	1	2.17648	0.06709	10	2	3
i2	19.06885	0.03	0.13	1	1.50553	0.06885	10	2	3
i2	19.07024	0.03	0.13	1	2.72124	0.07024	10	2	3

i2	19.07205	0.03	0.13	1	1.13909	0.07205	10	2	3
i2	19.07415	0.03	0.13	1	2.08856	0.07415	10	2	3
i2	19.07595	0.03	0.13	1	1.15928	0.07595	10	2	3
i2	19.07794	0.03	0.13	1	1.91376	0.07794	10	2	3
i2	19.07952	0.03	0.13	1	1.11645	0.07952	10	2	3
i2	19.08066	0.03	0.13	1	1.55984	0.08066	10	2	3
i2	19.08282	0.03	0.13	1	1.45877	0.08282	10	2	3
i2	19.08397	0.03	0.13	1	2.61246	0.08397	10	2	3
i2	19.085	0.03	0.13	1	1.75174	0.085	10	2	3
i2	19.08635	0.03	0.13	1	1.44333	0.08635	10	2	3
i2	19.08769	0.03	0.13	1	1.28825	0.08769	10	2	3
i2	19.08982	0.03	0.13	1	2.04931	0.08982	10	2	3
i2	19.09089	0.03	0.13	1	1.94199	0.09089	10	2	3
i2	19.09324	0.03	0.13	1	2.69809	0.09324	10	2	3
i2	19.09492	0.03	0.13	1	2.42844	0.09492	10	2	3
i2	19.09633	0.03	0.13	1	1.34352	0.09633	10	2	3
i2	19.09855	0.03	0.13	1	1.21	0.09855	10	2	3
i2	19.10041	0.03	0.13	1	1.5933	0.10041	10	2	3
i2	19.10265	0.03	0.13	1	2.80209	0.10265	10	2	3
i2	19.10439	0.03	0.13	1	1.23055	0.10439	10	2	3
i2	19.10542	0.03	0.13	1	1.98533	0.10542	10	2	3
i2	19.10763	0.03	0.13	1	2.47269	0.10763	10	2	3
i2	19.10953	0.03	0.13	1	2.92848	0.10953	10	2	3
i2	19.11095	0.03	0.13	1	1.28006	0.11095	10	2	3
i2	19.11208	0.03	0.13	1	1.91292	0.11208	10	2	3
i2	19.11368	0.03	0.13	1	1.49809	0.11368	10	2	3
i2	19.1148	0.03	0.13	1	1.24283	0.1148	10	2	3
i2	19.1167	0.03	0.13	1	1.42729	0.1167	10	2	3
i2	19.11831	0.03	0.13	1	1.35504	0.11831	10	2	3
i2	19.11944	0.03	0.13	1	1.26955	0.11944	10	2	3
i2	19.12114	0.03	0.13	1	2.36932	0.12114	10	2	3
i2	19.12343	0.03	0.13	1	2.59994	0.12343	10	2	3
i2	19.12575	0.03	0.13	1	1.58425	0.12575	10	2	3
i2	19.1274	0.03	0.13	1	2.21786	0.1274	10	2	3
i2	19.12841	0.03	0.13	1	1.95523	0.12841	10	2	3
i2	19.12948	0.03	0.13	1	2.9756	0.12948	10	2	3
i2	19.13093	0.03	0.13	1	2.7369	0.13093	10	2	3
i2	19.13283	0.03	0.13	1	1.4731	0.13283	10	2	3
i2	19.13456	0.03	0.13	1	1.8834	0.13456	10	2	3
i2	19.13559	0.03	0.13	1	1.1881	0.13559	10	2	3
i2	19.13687	0.03	0.13	1	1.29784	0.13687	10	2	3
i2	19.13827	0.03	0.13	1	1.30854	0.13827	10	2	3
i2	19.1399	0.03	0.13	1	1.79005	0.1399	10	2	3
i2	19.14223	0.03	0.13	1	1.48775	0.14223	10	2	3
i2	19.14354	0.03	0.13	1	1.12781	0.14354	10	2	3
i2	19.14553	0.03	0.13	1	1.98934	0.14553	10	2	3
i2	19.14679	0.03	0.13	1	2.58735	0.14679	10	2	3
i2	19.14807	0.03	0.13	1	2.0131	0.14807	10	2	3
i2	19.15003	0.03	0.13	1	1.25309	0.15003	10	2	3
i2	19.15156	0.03	0.13	1	2.81974	0.15156	10	2	3
i2	19.15364	0.03	0.13	1	1.72549	0.15364	10	2	3
i2	19.15584	0.03	0.13	1	2.47174	0.15584	10	2	3
i2	19.15738	0.03	0.13	1	2.64358	0.15738	10	2	3
i2	19.15886	0.03	0.13	1	2.58325	0.15886	10	2	3
i2	19.16039	0.03	0.13	1	1.69436	0.16039	10	2	3
i2	19.16188	0.03	0.13	1	1.39689	0.16188	10	2	3
i2	19.16289	0.03	0.13	1	2.99586	0.16289	10	2	3
i2	19.16395	0.03	0.13	1	1.6966	0.16395	10	2	3
i2	19.16536	0.03	0.13	1	2.37931	0.16536	10	2	3
i2	19.16651	0.03	0.13	1	1.68465	0.16651	10	2	3
i2	19.16777	0.03	0.13	1	1.07734	0.16777	10	2	3
i2	19.17012	0.03	0.13	1	2.41999	0.17012	10	2	3
i2	19.17187	0.03	0.13	1	2.11642	0.17187	10	2	3
i2	19.17353	0.03	0.13	1	1.39688	0.17353	10	2	3
i2	19.17462	0.03	0.13	1	1.40382	0.17462	10	2	3
i2	19.17613	0.03	0.13	1	2.76254	0.17613	10	2	3
i2	19.17744	0.03	0.13	1	1.95834	0.17744	10	2	3
i2	19.17906	0.03	0.13	1	2.26532	0.17906	10	2	3

i2	19.18073	0.03	0.13	1	1.42533	0.18073	10	2	3
i2	19.18223	0.03	0.13	1	1.52422	0.18223	10	2	3
i2	19.18351	0.03	0.13	1	2.99283	0.18351	10	2	3
i2	19.18538	0.03	0.13	1	1.09049	0.18538	10	2	3
i2	19.18741	0.03	0.13	1	1.82981	0.18741	10	2	3
i2	19.18951	0.03	0.13	1	2.41684	0.18951	10	2	3
i2	19.19113	0.03	0.13	1	1.19495	0.19113	10	2	3
i2	19.19218	0.03	0.13	1	1.2756	0.19218	10	2	3
i2	19.19436	0.03	0.13	1	1.44603	0.19436	10	2	3
i2	19.19574	0.03	0.13	1	1.58139	0.19574	10	2	3
i2	19.19772	0.03	0.13	1	2.36733	0.19772	10	2	3
i2	19.19905	0.03	0.13	1	2.01684	0.19905	10	2	3
i2	19.20038	0.03	0.13	1	1.67928	0.20038	10	2	3
i2	19.20211	0.03	0.13	1	1.03473	0.20211	10	2	3
i2	19.20342	0.03	0.13	1	2.71112	0.20342	10	2	3
i2	19.20547	0.03	0.13	1	1.84495	0.20547	10	2	3
i2	19.20712	0.03	0.13	1	2.50775	0.20712	10	2	3
i2	19.20841	0.03	0.13	1	2.26767	0.20841	10	2	3
i2	19.20968	0.03	0.13	1	2.30633	0.20968	10	2	3
i2	19.21074	0.03	0.13	1	1.48645	0.21074	10	2	3
i2	19.21278	0.03	0.13	1	2.39478	0.21278	10	2	3
i2	19.2145	0.03	0.13	1	2.70934	0.2145	10	2	3
i2	19.21588	0.03	0.13	1	1.33043	0.21588	10	2	3
i2	19.21716	0.03	0.13	1	2.22132	0.21716	10	2	3
i2	19.21826	0.03	0.13	1	1.8907	0.21826	10	2	3
i2	19.21967	0.03	0.13	1	2.10125	0.21967	10	2	3
i2	19.22155	0.03	0.13	1	1.41702	0.22155	10	2	3
i2	19.22358	0.03	0.13	1	1.79109	0.22358	10	2	3
i2	19.22525	0.03	0.13	1	1.12112	0.22525	10	2	3
i2	19.22717	0.03	0.13	1	2.7885	0.22717	10	2	3
i2	19.22843	0.03	0.13	1	2.46719	0.22843	10	2	3
i2	19.22966	0.03	0.13	1	1.47791	0.22966	10	2	3
i2	19.23081	0.03	0.13	1	2.94807	0.23081	10	2	3
i2	19.23287	0.03	0.13	1	1.69898	0.23287	10	2	3
i2	19.23474	0.03	0.13	1	2.17529	0.23474	10	2	3
i2	19.23595	0.03	0.13	1	2.94743	0.23595	10	2	3
i2	19.23798	0.03	0.13	1	2.19034	0.23798	10	2	3
i2	19.23966	0.03	0.13	1	1.24078	0.23966	10	2	3
i2	19.24139	0.03	0.13	1	1.41918	0.24139	10	2	3
i2	19.24317	0.03	0.13	1	1.50172	0.24317	10	2	3
i2	19.24448	0.03	0.13	1	1.78877	0.24448	10	2	3
i2	19.24581	0.03	0.13	1	2.26286	0.24581	10	2	3
i2	19.24758	0.03	0.13	1	2.38679	0.24758	10	2	3
i2	19.24893	0.03	0.13	1	2.24578	0.24893	10	2	3
i2	19.25068	0.03	0.13	1	1.92514	0.25068	10	2	3
i2	19.25223	0.03	0.13	1	1.53841	0.25223	10	2	3
i2	19.25361	0.03	0.13	1	1.11639	0.25361	10	2	3
i2	19.25512	0.03	0.13	1	2.61785	0.25512	10	2	3
i2	19.25618	0.03	0.13	1	1.71836	0.25618	10	2	3
i2	19.25759	0.03	0.13	1	2.1284	0.25759	10	2	3
i2	19.25984	0.03	0.13	1	1.01488	0.25984	10	2	3
i2	19.2609	0.03	0.13	1	2.01387	0.2609	10	2	3
i2	19.26222	0.03	0.13	1	2.36121	0.26222	10	2	3
i2	19.26339	0.03	0.13	1	2.41008	0.26339	10	2	3
i2	19.26532	0.03	0.13	1	2.0418	0.26532	10	2	3
i2	19.26665	0.03	0.13	1	2.32486	0.26665	10	2	3
i2	19.26777	0.03	0.13	1	1.5795	0.26777	10	2	3
i2	19.26926	0.03	0.13	1	1.83835	0.26926	10	2	3
i2	19.27143	0.03	0.13	1	1.65474	0.27143	10	2	3
i2	19.27359	0.03	0.13	1	1.92308	0.27359	10	2	3
i2	19.27562	0.03	0.13	1	1.7389	0.27562	10	2	3
i2	19.27673	0.03	0.13	1	1.04952	0.27673	10	2	3
i2	19.2779	0.03	0.13	1	1.72384	0.2779	10	2	3
i2	19.27963	0.03	0.13	1	2.80636	0.27963	10	2	3
i2	19.2808	0.03	0.13	1	2.39441	0.2808	10	2	3
i2	19.28305	0.03	0.13	1	1.33097	0.28305	10	2	3
i2	19.28492	0.03	0.13	1	1.63857	0.28492	10	2	3
i2	19.28656	0.03	0.13	1	1.12158	0.28656	10	2	3

i2	19.28813	0.03	0.13	1	2.48271	0.28813	10	2	3
i2	19.28917	0.03	0.13	1	1.66366	0.28917	10	2	3
i2	19.29091	0.03	0.13	1	1.80031	0.29091	10	2	3
i2	19.29215	0.03	0.13	1	1.60891	0.29215	10	2	3
i2	19.29328	0.03	0.13	1	1.70689	0.29328	10	2	3
i2	19.29436	0.03	0.13	1	2.22968	0.29436	10	2	3
i2	19.29645	0.03	0.13	1	1.53919	0.29645	10	2	3
i2	19.29789	0.03	0.13	1	1.00147	0.29789	10	2	3
i2	19.29921	0.03	0.13	1	2.263	0.29921	10	2	3
i2	19.3003	0.03	0.13	1	1.23673	0.3003	10	2	3
i2	19.30167	0.03	0.13	1	1.64357	0.30167	10	2	3
i2	19.30269	0.03	0.13	1	1.58794	0.30269	10	2	3
i2	19.30396	0.03	0.13	1	1.06006	0.30396	10	2	3
i2	19.30536	0.03	0.13	1	1.25282	0.30536	10	2	3
i2	19.30662	0.03	0.13	1	1.16798	0.30662	10	2	3
i2	19.30767	0.03	0.13	1	1.34007	0.30767	10	2	3
i2	19.30874	0.03	0.13	1	2.15971	0.30874	10	2	3
i2	19.30976	0.03	0.13	1	1.70593	0.30976	10	2	3
i2	19.31129	0.03	0.13	1	1.41777	0.31129	10	2	3
i2	19.3124	0.03	0.13	1	1.28452	0.3124	10	2	3
i2	19.31463	0.03	0.13	1	1.34954	0.31463	10	2	3
i2	19.31577	0.03	0.13	1	1.75871	0.31577	10	2	3
i2	19.3176	0.03	0.13	1	1.2486	0.3176	10	2	3
i2	19.31974	0.03	0.13	1	2.61703	0.31974	10	2	3
i2	19.32198	0.03	0.13	1	1.55378	0.32198	10	2	3
i2	19.32365	0.03	0.13	1	2.42049	0.32365	10	2	3
i2	19.32468	0.03	0.13	1	1.41618	0.32468	10	2	3
i2	19.32609	0.03	0.13	1	2.51167	0.32609	10	2	3
i2	19.32762	0.03	0.13	1	2.46639	0.32762	10	2	3
i2	19.32958	0.03	0.13	1	2.63638	0.32958	10	2	3
i2	19.33086	0.03	0.13	1	1.37875	0.33086	10	2	3
i2	19.33261	0.03	0.13	1	1.50866	0.33261	10	2	3
i2	19.3338	0.03	0.13	1	2.54696	0.3338	10	2	3
i2	19.33484	0.03	0.13	1	2.20808	0.33484	10	2	3
i2	19.33622	0.03	0.13	1	2.70628	0.33622	10	2	3
i2	19.3377	0.03	0.13	1	2.25667	0.3377	10	2	3
i2	19.3394	0.03	0.13	1	2.86221	0.3394	10	2	3
i2	19.34087	0.03	0.13	1	1.46113	0.34087	10	2	3
i2	19.34189	0.03	0.13	1	1.50635	0.34189	10	2	3
i2	19.3436	0.03	0.13	1	2.34149	0.3436	10	2	3
i2	19.34474	0.03	0.13	1	1.33663	0.34474	10	2	3
i2	19.3458	0.03	0.13	1	1.29977	0.3458	10	2	3
i2	19.34769	0.03	0.13	1	1.56975	0.34769	10	2	3
i2	19.34883	0.03	0.13	1	1.03621	0.34883	10	2	3
i2	19.3504	0.03	0.13	1	1.44148	0.3504	10	2	3
i2	19.35168	0.03	0.13	1	1.56241	0.35168	10	2	3
i2	19.35282	0.03	0.13	1	1.56146	0.35282	10	2	3
i2	19.35434	0.03	0.13	1	2.24031	0.35434	10	2	3
i2	19.35538	0.03	0.13	1	1.77213	0.35538	10	2	3
i2	19.35709	0.03	0.13	1	1.12639	0.35709	10	2	3
i2	19.359	0.03	0.13	1	2.63065	0.359	10	2	3
i2	19.36087	0.03	0.13	1	2.34409	0.36087	10	2	3
i2	19.36193	0.03	0.13	1	1.95096	0.36193	10	2	3
i2	19.36315	0.03	0.13	1	1.05292	0.36315	10	2	3
i2	19.36418	0.03	0.13	1	2.43116	0.36418	10	2	3
i2	19.36616	0.03	0.13	1	1.01585	0.36616	10	2	3
i2	19.36756	0.03	0.13	1	2.16527	0.36756	10	2	3
i2	19.36918	0.03	0.13	1	2.11031	0.36918	10	2	3
i2	19.37083	0.03	0.13	1	1.71214	0.37083	10	2	3
i2	19.37188	0.03	0.13	1	1.18699	0.37188	10	2	3
i2	19.37315	0.03	0.13	1	1.15623	0.37315	10	2	3
i2	19.37442	0.03	0.13	1	2.39525	0.37442	10	2	3
i2	19.37584	0.03	0.13	1	1.06383	0.37584	10	2	3
i2	19.37716	0.03	0.13	1	1.36818	0.37716	10	2	3
i2	19.37821	0.03	0.13	1	1.32391	0.37821	10	2	3
i2	19.37935	0.03	0.13	1	1.51697	0.37935	10	2	3
i2	19.38104	0.03	0.13	1	1.37681	0.38104	10	2	3
i2	19.38216	0.03	0.13	1	2.60447	0.38216	10	2	3

i2	19.3834	0.03	0.13	1	1.35439	0.3834	10	2	3
i2	19.38477	0.03	0.13	1	1.98152	0.38477	10	2	3
i2	19.38638	0.03	0.13	1	2.73633	0.38638	10	2	3
i2	19.38805	0.03	0.13	1	1.40148	0.38805	10	2	3
i2	19.3898	0.03	0.13	1	1.61806	0.3898	10	2	3
i2	19.39167	0.03	0.13	1	2.23738	0.39167	10	2	3
i2	19.39272	0.03	0.13	1	2.59113	0.39272	10	2	3
i2	19.39383	0.03	0.13	1	1.72992	0.39383	10	2	3
i2	19.39585	0.03	0.13	1	2.46263	0.39585	10	2	3
i2	19.39788	0.03	0.13	1	1.89721	0.39788	10	2	3
i2	19.39904	0.03	0.13	1	2.28618	0.39904	10	2	3
i2	19.40018	0.03	0.13	1	1.88486	0.40018	10	2	3
i2	19.40151	0.03	0.13	1	2.64874	0.40151	10	2	3
i2	19.40318	0.03	0.13	1	2.49891	0.40318	10	2	3
i2	19.40421	0.03	0.13	1	2.46452	0.40421	10	2	3
i2	19.40529	0.03	0.13	1	1.22256	0.40529	10	2	3
i2	19.40674	0.03	0.13	1	1.81414	0.40674	10	2	3
i2	19.40879	0.03	0.13	1	2.04267	0.40879	10	2	3
i2	19.40993	0.03	0.13	1	1.06797	0.40993	10	2	3
i2	19.41208	0.03	0.13	1	1.66929	0.41208	10	2	3
i2	19.41413	0.03	0.13	1	2.8567	0.41413	10	2	3
i2	19.41534	0.03	0.13	1	2.85684	0.41534	10	2	3
i2	19.41701	0.03	0.13	1	2.02941	0.41701	10	2	3
i2	19.41811	0.03	0.13	1	2.36323	0.41811	10	2	3
i2	19.4195	0.03	0.13	1	2.07488	0.4195	10	2	3
i2	19.42051	0.03	0.13	1	2.08073	0.42051	10	2	3
i2	19.42179	0.03	0.13	1	1.6018	0.42179	10	2	3
i2	19.42296	0.03	0.13	1	1.85264	0.42296	10	2	3
i2	19.4243	0.03	0.13	1	1.69476	0.4243	10	2	3
i2	19.42566	0.03	0.13	1	1.0633	0.42566	10	2	3
i2	19.42712	0.03	0.13	1	2.14955	0.42712	10	2	3
i2	19.42876	0.03	0.13	1	1.98844	0.42876	10	2	3
i2	19.43034	0.03	0.13	1	1.24504	0.43034	10	2	3
i2	19.43152	0.03	0.13	1	2.68054	0.43152	10	2	3
i2	19.4331	0.03	0.13	1	2.28316	0.4331	10	2	3
i2	19.43488	0.03	0.13	1	1.82731	0.43488	10	2	3
i2	19.43601	0.03	0.13	1	2.05659	0.43601	10	2	3
i2	19.43744	0.03	0.13	1	2.36958	0.43744	10	2	3
i2	19.43886	0.03	0.13	1	1.43074	0.43886	10	2	3
i2	19.44024	0.03	0.13	1	1.80783	0.44024	10	2	3
i2	19.44155	0.03	0.13	1	1.52349	0.44155	10	2	3
i2	19.44301	0.03	0.13	1	1.85022	0.44301	10	2	3
i2	19.44488	0.03	0.13	1	1.30533	0.44488	10	2	3
i2	19.44609	0.03	0.13	1	1.44668	0.44609	10	2	3
i2	19.44808	0.03	0.13	1	2.91868	0.44808	10	2	3
i2	19.44976	0.03	0.13	1	1.32697	0.44976	10	2	3
i2	19.4511	0.03	0.13	1	1.16514	0.4511	10	2	3
i2	19.45301	0.03	0.13	1	1.40264	0.45301	10	2	3
i2	19.45401	0.03	0.13	1	1.26471	0.45401	10	2	3
i2	19.45514	0.03	0.13	1	2.24834	0.45514	10	2	3
i2	19.45639	0.03	0.13	1	1.6077	0.45639	10	2	3
i2	19.45823	0.03	0.13	1	2.96369	0.45823	10	2	3
i2	19.45939	0.03	0.13	1	1.82974	0.45939	10	2	3
i2	19.46056	0.03	0.13	1	1.13309	0.46056	10	2	3
i2	19.46214	0.03	0.13	1	2.14368	0.46214	10	2	3
i2	19.46411	0.03	0.13	1	1.29606	0.46411	10	2	3
i2	19.46577	0.03	0.13	1	1.27916	0.46577	10	2	3
i2	19.46688	0.03	0.13	1	1.22328	0.46688	10	2	3
i2	19.46838	0.03	0.13	1	2.00744	0.46838	10	2	3
i2	19.46964	0.03	0.13	1	1.26689	0.46964	10	2	3
i2	19.47091	0.03	0.13	1	2.25969	0.47091	10	2	3
i2	19.47212	0.03	0.13	1	2.4466	0.47212	10	2	3
i2	19.47355	0.03	0.13	1	2.49018	0.47355	10	2	3
i2	19.47503	0.03	0.13	1	1.07323	0.47503	10	2	3
i2	19.4762	0.03	0.13	1	1.11705	0.4762	10	2	3
i2	19.47742	0.03	0.13	1	1.42786	0.47742	10	2	3
i2	19.47914	0.03	0.13	1	1.19726	0.47914	10	2	3
i2	19.48018	0.03	0.13	1	1.04715	0.48018	10	2	3

i2	19.48153	0.03	0.13	1	1.47042	0.48153	10	2	3
i2	19.48355	0.03	0.13	1	2.86056	0.48355	10	2	3
i2	19.4852	0.03	0.13	1	1.43932	0.4852	10	2	3
i2	19.48629	0.03	0.13	1	1.22047	0.48629	10	2	3
i2	19.48781	0.03	0.13	1	1.37329	0.48781	10	2	3
i2	19.48974	0.03	0.13	1	1.71353	0.48974	10	2	3
i2	19.49181	0.03	0.13	1	1.47145	0.49181	10	2	3
i2	19.49348	0.03	0.13	1	1.193	0.49348	10	2	3
i2	19.49475	0.03	0.13	1	2.08078	0.49475	10	2	3
i2	19.4958	0.03	0.13	1	1.13466	0.4958	10	2	3
i2	19.49734	0.03	0.13	1	2.48882	0.49734	10	2	3
i2	19.49901	0.03	0.13	1	1.43484	0.49901	10	2	3
i2	19.50009	0.03	0.13	1	1.43838	0.50009	10	2	3
i2	19.50179	0.03	0.13	1	2.88243	0.50179	10	2	3
i2	19.50336	0.03	0.13	1	1.46497	0.50336	10	2	3
i2	19.50478	0.03	0.13	1	1.17446	0.50478	10	2	3
i2	19.50594	0.03	0.13	1	2.41014	0.50594	10	2	3
i2	19.50706	0.03	0.13	1	1.92763	0.50706	10	2	3
i2	19.50885	0.03	0.13	1	2.11352	0.50885	10	2	3
i2	19.50993	0.03	0.13	1	1.87182	0.50993	10	2	3
i2	19.51116	0.03	0.13	1	1.13316	0.51116	10	2	3
i2	19.5126	0.03	0.13	1	1.11111	0.5126	10	2	3
i2	19.51458	0.03	0.13	1	1.80773	0.51458	10	2	3
i2	19.5161	0.03	0.13	1	2.53584	0.5161	10	2	3
i2	19.51734	0.03	0.13	1	2.31211	0.51734	10	2	3
i2	19.51902	0.03	0.13	1	1.11524	0.51902	10	2	3
i2	19.52029	0.03	0.13	1	1.08999	0.52029	10	2	3
i2	19.52156	0.03	0.13	1	2.15328	0.52156	10	2	3
i2	19.52303	0.03	0.13	1	1.48521	0.52303	10	2	3
i2	19.52432	0.03	0.13	1	2.36319	0.52432	10	2	3
i2	19.52607	0.03	0.13	1	1.88495	0.52607	10	2	3
i2	19.52726	0.03	0.13	1	1.17122	0.52726	10	2	3
i2	19.52865	0.03	0.13	1	2.26866	0.52865	10	2	3
i2	19.53049	0.03	0.13	1	1.26127	0.53049	10	2	3
i2	19.53217	0.03	0.13	1	1.39529	0.53217	10	2	3
i2	19.5338	0.03	0.13	1	1.90801	0.5338	10	2	3
i2	19.5351	0.03	0.13	1	1.85329	0.5351	10	2	3
i2	19.53617	0.03	0.13	1	1.8199	0.53617	10	2	3
i2	19.53775	0.03	0.13	1	1.54856	0.53775	10	2	3
i2	19.53919	0.03	0.13	1	1.14741	0.53919	10	2	3
i2	19.54038	0.03	0.13	1	2.63907	0.54038	10	2	3
i2	19.54171	0.03	0.13	1	2.28928	0.54171	10	2	3
i2	19.54326	0.03	0.13	1	2.65827	0.54326	10	2	3
i2	19.54491	0.03	0.13	1	1.47444	0.54491	10	2	3
i2	19.5463	0.03	0.13	1	1.56263	0.5463	10	2	3
i2	19.54823	0.03	0.13	1	1.0078	0.54823	10	2	3
i2	19.54973	0.03	0.13	1	1.41039	0.54973	10	2	3
i2	19.55116	0.03	0.13	1	2.58115	0.55116	10	2	3
i2	19.55219	0.03	0.13	1	1.27424	0.55219	10	2	3
i2	19.55363	0.03	0.13	1	1.51164	0.55363	10	2	3
i2	19.55494	0.03	0.13	1	2.8348	0.55494	10	2	3
i2	19.55673	0.03	0.13	1	1.82318	0.55673	10	2	3
i2	19.55812	0.03	0.13	1	1.75801	0.55812	10	2	3
i2	19.55953	0.03	0.13	1	1.88711	0.55953	10	2	3
i2	19.56065	0.03	0.13	1	1.84807	0.56065	10	2	3
i2	19.56236	0.03	0.13	1	1.71796	0.56236	10	2	3
i2	19.56423	0.03	0.13	1	2.64017	0.56423	10	2	3
i2	19.56541	0.03	0.13	1	1.32225	0.56541	10	2	3
i2	19.56694	0.03	0.13	1	2.50787	0.56694	10	2	3
i2	19.56877	0.03	0.13	1	1.99394	0.56877	10	2	3
i2	19.56985	0.03	0.13	1	2.06689	0.56985	10	2	3
i2	19.57122	0.03	0.13	1	1.1228	0.57122	10	2	3
i2	19.57301	0.03	0.13	1	1.6704	0.57301	10	2	3
i2	19.57437	0.03	0.13	1	1.62057	0.57437	10	2	3
i2	19.57539	0.03	0.13	1	1.57489	0.57539	10	2	3
i2	19.5768	0.03	0.13	1	2.28801	0.5768	10	2	3
i2	19.57817	0.03	0.13	1	1.73664	0.57817	10	2	3
i2	19.57943	0.03	0.13	1	1.21307	0.57943	10	2	3

i2	19.58102	0.03	0.13	1	1.21486	0.58102	10	2	3
i2	19.5822	0.03	0.13	1	1.616	0.5822	10	2	3
i2	19.58371	0.03	0.13	1	1.98835	0.58371	10	2	3
i2	19.58502	0.03	0.13	1	2.56224	0.58502	10	2	3
i2	19.58632	0.03	0.13	1	1.15738	0.58632	10	2	3
i2	19.58805	0.03	0.13	1	1.69952	0.58805	10	2	3
i2	19.58939	0.03	0.13	1	1.15955	0.58939	10	2	3
i2	19.59053	0.03	0.13	1	2.66173	0.59053	10	2	3
i2	19.59168	0.03	0.13	1	2.52312	0.59168	10	2	3
i2	19.59343	0.03	0.13	1	1.42346	0.59343	10	2	3
i2	19.59505	0.03	0.13	1	1.89466	0.59505	10	2	3
i2	19.59663	0.03	0.13	1	1.46753	0.59663	10	2	3
i2	19.59814	0.03	0.13	1	2.44425	0.59814	10	2	3
i2	19.60006	0.03	0.13	1	1.6679	0.60006	10	2	3
i2	19.60153	0.03	0.13	1	1.37326	0.60153	10	2	3
i2	19.60297	0.03	0.13	1	1.16133	0.60297	10	2	3
i2	19.60421	0.03	0.13	1	1.08476	0.60421	10	2	3
i2	19.60531	0.03	0.13	1	2.55604	0.60531	10	2	3
i2	19.60653	0.03	0.13	1	1.50738	0.60653	10	2	3
i2	19.60796	0.03	0.13	1	1.20673	0.60796	10	2	3
i2	19.61	0.03	0.13	1	2.00252	0.61	10	2	3
i2	19.61157	0.03	0.13	1	2.35066	0.61157	10	2	3
i2	19.61315	0.03	0.13	1	1.5802	0.61315	10	2	3
i2	19.61489	0.03	0.13	1	1.06933	0.61489	10	2	3
i2	19.61613	0.03	0.13	1	2.82599	0.61613	10	2	3
i2	19.61754	0.03	0.13	1	2.30896	0.61754	10	2	3
i2	19.61892	0.03	0.13	1	1.23063	0.61892	10	2	3
i2	19.62054	0.03	0.13	1	1.94633	0.62054	10	2	3
i2	19.62253	0.03	0.13	1	1.26852	0.62253	10	2	3
i2	19.62378	0.03	0.13	1	1.82782	0.62378	10	2	3
i2	19.62485	0.03	0.13	1	2.52083	0.62485	10	2	3
i2	19.62673	0.03	0.13	1	1.71298	0.62673	10	2	3
i2	19.62833	0.03	0.13	1	1.42105	0.62833	10	2	3
i2	19.62946	0.03	0.13	1	1.90319	0.62946	10	2	3
i2	19.63138	0.03	0.13	1	1.8578	0.63138	10	2	3
i2	19.63248	0.03	0.13	1	1.73281	0.63248	10	2	3
i2	19.63422	0.03	0.13	1	1.26299	0.63422	10	2	3
i2	19.63536	0.03	0.13	1	1.51305	0.63536	10	2	3
i2	19.63683	0.03	0.13	1	2.47672	0.63683	10	2	3
i2	19.63826	0.03	0.13	1	1.77951	0.63826	10	2	3
i2	19.63939	0.03	0.13	1	1.89473	0.63939	10	2	3
i2	19.64093	0.03	0.13	1	1.14764	0.64093	10	2	3
i2	19.64196	0.03	0.13	1	2.16496	0.64196	10	2	3
i2	19.64347	0.03	0.13	1	2.23833	0.64347	10	2	3
i2	19.64489	0.03	0.13	1	1.05058	0.64489	10	2	3
i2	19.64677	0.03	0.13	1	2.67437	0.64677	10	2	3
i2	19.64859	0.03	0.13	1	2.31329	0.64859	10	2	3
i2	19.64994	0.03	0.13	1	2.9232	0.64994	10	2	3
i2	19.65104	0.03	0.13	1	1.77348	0.65104	10	2	3
i2	19.65276	0.03	0.13	1	1.24901	0.65276	10	2	3
i2	19.65384	0.03	0.13	1	1.10268	0.65384	10	2	3
i2	19.65488	0.03	0.13	1	1.34485	0.65488	10	2	3
i2	19.65663	0.03	0.13	1	1.63019	0.65663	10	2	3
i2	19.65793	0.03	0.13	1	1.29075	0.65793	10	2	3
i2	19.65943	0.03	0.13	1	1.73808	0.65943	10	2	3
i2	19.66057	0.03	0.13	1	2.7214	0.66057	10	2	3
i2	19.66161	0.03	0.13	1	1.14509	0.66161	10	2	3
i2	19.66262	0.03	0.13	1	1.51814	0.66262	10	2	3
i2	19.66402	0.03	0.13	1	1.51473	0.66402	10	2	3
i2	19.66529	0.03	0.13	1	1.79589	0.66529	10	2	3
i2	19.66638	0.03	0.13	1	2.88941	0.66638	10	2	3
i2	19.66818	0.03	0.13	1	2.38486	0.66818	10	2	3
i2	19.66934	0.03	0.13	1	1.61001	0.66934	10	2	3
i2	19.67034	0.03	0.13	1	1.41143	0.67034	10	2	3
i2	19.67187	0.03	0.13	1	1.12613	0.67187	10	2	3
i2	19.67315	0.03	0.13	1	2.05063	0.67315	10	2	3
i2	19.67454	0.03	0.13	1	1.15612	0.67454	10	2	3
i2	19.67622	0.03	0.13	1	2.47228	0.67622	10	2	3

i2	19.67763	0.03	0.13	1	1.87884	0.67763	10	2	3
i2	19.67942	0.03	0.13	1	1.04268	0.67942	10	2	3
i2	19.68059	0.03	0.13	1	1.93853	0.68059	10	2	3
i2	19.68242	0.03	0.13	1	2.43083	0.68242	10	2	3
i2	19.68392	0.03	0.13	1	2.52719	0.68392	10	2	3
i2	19.68568	0.03	0.13	1	2.0957	0.68568	10	2	3
i2	19.68703	0.03	0.13	1	1.94809	0.68703	10	2	3
i2	19.68855	0.03	0.13	1	1.03393	0.68855	10	2	3
i2	19.68983	0.03	0.13	1	1.36826	0.68983	10	2	3
i2	19.69153	0.03	0.13	1	2.05856	0.69153	10	2	3
i2	19.69299	0.03	0.13	1	1.87096	0.69299	10	2	3
i2	19.69432	0.03	0.13	1	1.66546	0.69432	10	2	3
i2	19.69568	0.03	0.13	1	2.94028	0.69568	10	2	3
i2	19.69696	0.03	0.13	1	1.85315	0.69696	10	2	3
i2	19.69804	0.03	0.13	1	2.00702	0.69804	10	2	3
i2	19.69995	0.03	0.13	1	2.38271	0.69995	10	2	3
i2	19.70134	0.03	0.13	1	1.57697	0.70134	10	2	3
i2	19.70235	0.03	0.13	1	2.28424	0.70235	10	2	3
i2	19.70431	0.03	0.13	1	2.2783	0.70431	10	2	3
i2	19.70549	0.03	0.13	1	2.20288	0.70549	10	2	3
i2	19.70686	0.03	0.13	1	2.43599	0.70686	10	2	3
i2	19.70813	0.03	0.13	1	2.00952	0.70813	10	2	3
i2	19.70972	0.03	0.13	1	1.72826	0.70972	10	2	3
i2	19.71091	0.03	0.13	1	1.85089	0.71091	10	2	3
i2	19.71248	0.03	0.13	1	1.9425	0.71248	10	2	3
i2	19.71397	0.03	0.13	1	2.14581	0.71397	10	2	3
i2	19.71518	0.03	0.13	1	2.29398	0.71518	10	2	3
i2	19.71635	0.03	0.13	1	1.84275	0.71635	10	2	3
i2	19.71759	0.03	0.13	1	1.38963	0.71759	10	2	3
i2	19.71905	0.03	0.13	1	1.84752	0.71905	10	2	3
i2	19.72023	0.03	0.13	1	2.22054	0.72023	10	2	3
i2	19.72204	0.03	0.13	1	2.05976	0.72204	10	2	3
i2	19.7234	0.03	0.13	1	2.52206	0.7234	10	2	3
i2	19.72485	0.03	0.13	1	2.47664	0.72485	10	2	3
i2	19.72631	0.03	0.13	1	1.66961	0.72631	10	2	3
i2	19.72758	0.03	0.13	1	1.80428	0.72758	10	2	3
i2	19.72946	0.03	0.13	1	1.00978	0.72946	10	2	3
i2	19.73087	0.03	0.13	1	1.59594	0.73087	10	2	3
i2	19.7321	0.03	0.13	1	2.19599	0.7321	10	2	3
i2	19.7333	0.03	0.13	1	2.47375	0.7333	10	2	3
i2	19.73519	0.03	0.13	1	2.13004	0.73519	10	2	3
i2	19.73644	0.03	0.13	1	2.96419	0.73644	10	2	3
i2	19.73818	0.03	0.13	1	1.67426	0.73818	10	2	3
i2	19.73981	0.03	0.13	1	1.43245	0.73981	10	2	3
i2	19.74082	0.03	0.13	1	1.0121	0.74082	10	2	3
i2	19.74233	0.03	0.13	1	1.54195	0.74233	10	2	3
i2	19.74366	0.03	0.13	1	1.57678	0.74366	10	2	3
i2	19.74496	0.03	0.13	1	1.11438	0.74496	10	2	3
i2	19.74613	0.03	0.13	1	2.69255	0.74613	10	2	3
i2	19.74811	0.03	0.13	1	2.7733	0.74811	10	2	3
i2	19.74958	0.03	0.13	1	2.93442	0.74958	10	2	3
i2	19.75067	0.03	0.13	1	2.5154	0.75067	10	2	3
i2	19.75199	0.03	0.13	1	2.53225	0.75199	10	2	3
i2	19.75388	0.03	0.13	1	2.64481	0.75388	10	2	3
i2	19.75521	0.03	0.13	1	1.334	0.75521	10	2	3
i2	19.75647	0.03	0.13	1	2.78247	0.75647	10	2	3
i2	19.75844	0.03	0.13	1	1.44096	0.75844	10	2	3
i2	19.7597	0.03	0.13	1	1.00911	0.7597	10	2	3
i2	19.76114	0.03	0.13	1	1.85147	0.76114	10	2	3
i2	19.76282	0.03	0.13	1	2.1547	0.76282	10	2	3
i2	19.76422	0.03	0.13	1	1.66666	0.76422	10	2	3
i2	19.76603	0.03	0.13	1	1.74452	0.76603	10	2	3
i2	19.76754	0.03	0.13	1	2.04492	0.76754	10	2	3
i2	19.76855	0.03	0.13	1	1.92697	0.76855	10	2	3
i2	19.76977	0.03	0.13	1	2.18286	0.76977	10	2	3
i2	19.77111	0.03	0.13	1	1.11749	0.77111	10	2	3
i2	19.77226	0.03	0.13	1	1.12234	0.77226	10	2	3
i2	19.77337	0.03	0.13	1	1.21381	0.77337	10	2	3

i2	19.77458	0.03	0.13	1	1.64435	0.77458	10	2	3
i2	19.77587	0.03	0.13	1	2.53511	0.77587	10	2	3
i2	19.777	0.03	0.13	1	1.16644	0.777	10	2	3
i2	19.77896	0.03	0.13	1	1.81137	0.77896	10	2	3
i2	19.78094	0.03	0.13	1	1.72138	0.78094	10	2	3
i2	19.78232	0.03	0.13	1	1.48675	0.78232	10	2	3
i2	19.78395	0.03	0.13	1	1.94875	0.78395	10	2	3
i2	19.78523	0.03	0.13	1	1.71973	0.78523	10	2	3
i2	19.78648	0.03	0.13	1	2.81479	0.78648	10	2	3
i2	19.78783	0.03	0.13	1	1.38542	0.78783	10	2	3
i2	19.7897	0.03	0.13	1	2.45055	0.7897	10	2	3
i2	19.79081	0.03	0.13	1	1.83399	0.79081	10	2	3
i2	19.79209	0.03	0.13	1	1.57379	0.79209	10	2	3
i2	19.79379	0.03	0.13	1	2.45067	0.79379	10	2	3
i2	19.79518	0.03	0.13	1	1.06932	0.79518	10	2	3
i2	19.79661	0.03	0.13	1	2.34813	0.79661	10	2	3
i2	19.79763	0.03	0.13	1	1.78218	0.79763	10	2	3
i2	19.7993	0.03	0.13	1	1.09847	0.7993	10	2	3
i2	19.80058	0.03	0.13	1	1.01753	0.80058	10	2	3
i2	19.80185	0.03	0.13	1	1.01005	0.80185	10	2	3
i2	19.80335	0.03	0.13	1	2.50769	0.80335	10	2	3
i2	19.80472	0.03	0.13	1	2.81128	0.80472	10	2	3
i2	19.80574	0.03	0.13	1	1.64789	0.80574	10	2	3
i2	19.80689	0.03	0.13	1	2.45553	0.80689	10	2	3
i2	19.80879	0.03	0.13	1	1.09186	0.80879	10	2	3
i2	19.81061	0.03	0.13	1	2.48006	0.81061	10	2	3
i2	19.8122	0.03	0.13	1	2.91122	0.8122	10	2	3
i2	19.8138	0.03	0.13	1	2.77278	0.8138	10	2	3
i2	19.81519	0.03	0.13	1	1.36168	0.81519	10	2	3
i2	19.8168	0.03	0.13	1	1.19081	0.8168	10	2	3
i2	19.81859	0.03	0.13	1	1.87584	0.81859	10	2	3
i2	19.81977	0.03	0.13	1	1.23962	0.81977	10	2	3
i2	19.82106	0.03	0.13	1	2.06774	0.82106	10	2	3
i2	19.82223	0.03	0.13	1	2.73602	0.82223	10	2	3
i2	19.82364	0.03	0.13	1	1.88775	0.82364	10	2	3
i2	19.82514	0.03	0.13	1	1.46273	0.82514	10	2	3
i2	19.82635	0.03	0.13	1	1.49536	0.82635	10	2	3
i2	19.82799	0.03	0.13	1	2.03934	0.82799	10	2	3
i2	19.8296	0.03	0.13	1	1.15446	0.8296	10	2	3
i2	19.83088	0.03	0.13	1	1.26308	0.83088	10	2	3
i2	19.83243	0.03	0.13	1	2.57393	0.83243	10	2	3
i2	19.83395	0.03	0.13	1	1.38817	0.83395	10	2	3
i2	19.83508	0.03	0.13	1	1.20344	0.83508	10	2	3
i2	19.83647	0.03	0.13	1	2.44174	0.83647	10	2	3
i2	19.83787	0.03	0.13	1	1.19191	0.83787	10	2	3
i2	19.83966	0.03	0.13	1	1.14299	0.83966	10	2	3
i2	19.84102	0.03	0.13	1	2.33882	0.84102	10	2	3
i2	19.84244	0.03	0.13	1	1.88718	0.84244	10	2	3
i2	19.8436	0.03	0.13	1	2.11036	0.8436	10	2	3
i2	19.84524	0.03	0.13	1	1.42759	0.84524	10	2	3
i2	19.8471	0.03	0.13	1	1.86193	0.8471	10	2	3
i2	19.8484	0.03	0.13	1	2.56192	0.8484	10	2	3
i2	19.84954	0.03	0.13	1	1.39577	0.84954	10	2	3
i2	19.85097	0.03	0.13	1	1.78166	0.85097	10	2	3
i2	19.85248	0.03	0.13	1	2.52081	0.85248	10	2	3
i2	19.8538	0.03	0.13	1	1.90623	0.8538	10	2	3
i2	19.85519	0.03	0.13	1	1.33184	0.85519	10	2	3
i2	19.85708	0.03	0.13	1	1.2543	0.85708	10	2	3
i2	19.8583	0.03	0.13	1	1.46851	0.8583	10	2	3
i2	19.85964	0.03	0.13	1	2.38886	0.85964	10	2	3
i2	19.86089	0.03	0.13	1	2.65811	0.86089	10	2	3
i2	19.86219	0.03	0.13	1	1.78726	0.86219	10	2	3
i2	19.86364	0.03	0.13	1	2.649	0.86364	10	2	3
i2	19.86493	0.03	0.13	1	1.25032	0.86493	10	2	3
i2	19.86666	0.03	0.13	1	2.06072	0.86666	10	2	3
i2	19.86858	0.03	0.13	1	1.57823	0.86858	10	2	3
i2	19.87016	0.03	0.13	1	1.49788	0.87016	10	2	3
i2	19.87164	0.03	0.13	1	1.16616	0.87164	10	2	3

i2	19.87319	0.03	0.13	1	1.00654	0.87319	10	2	3
i2	19.87466	0.03	0.13	1	1.68013	0.87466	10	2	3
i2	19.87578	0.03	0.13	1	1.13712	0.87578	10	2	3
i2	19.87735	0.03	0.13	1	2.22403	0.87735	10	2	3
i2	19.87846	0.03	0.13	1	2.22997	0.87846	10	2	3
i2	19.87956	0.03	0.13	1	1.04949	0.87956	10	2	3
i2	19.8807	0.03	0.13	1	1.46646	0.8807	10	2	3
i2	19.88257	0.03	0.13	1	1.80372	0.88257	10	2	3
i2	19.88359	0.03	0.13	1	1.20153	0.88359	10	2	3
i2	19.88471	0.03	0.13	1	1.63631	0.88471	10	2	3
i2	19.88587	0.03	0.13	1	1.27015	0.88587	10	2	3
i2	19.88714	0.03	0.13	1	2.18362	0.88714	10	2	3
i2	19.88871	0.03	0.13	1	2.33632	0.88871	10	2	3
i2	19.88976	0.03	0.13	1	2.30926	0.88976	10	2	3
i2	19.89133	0.03	0.13	1	1.24244	0.89133	10	2	3
i2	19.89239	0.03	0.13	1	2.95644	0.89239	10	2	3
i2	19.89382	0.03	0.13	1	1.08448	0.89382	10	2	3
i2	19.89577	0.03	0.13	1	2.7998	0.89577	10	2	3
i2	19.89689	0.03	0.13	1	2.15026	0.89689	10	2	3
i2	19.89832	0.03	0.13	1	2.18276	0.89832	10	2	3
i2	19.89948	0.03	0.13	1	1.87911	0.89948	10	2	3
i2	19.90135	0.03	0.13	1	2.56706	0.90135	10	2	3
i2	19.90242	0.03	0.13	1	2.19364	0.90242	10	2	3
i2	19.90374	0.03	0.13	1	2.61557	0.90374	10	2	3
i2	19.90507	0.03	0.13	1	2.04075	0.90507	10	2	3
i2	19.90663	0.03	0.13	1	2.50116	0.90663	10	2	3
i2	19.90818	0.03	0.13	1	1.23102	0.90818	10	2	3
i2	19.9099	0.03	0.13	1	1.28029	0.9099	10	2	3
i2	19.91118	0.03	0.13	1	2.36262	0.91118	10	2	3
i2	19.91286	0.03	0.13	1	2.23674	0.91286	10	2	3
i2	19.91445	0.03	0.13	1	2.72999	0.91445	10	2	3
i2	19.91603	0.03	0.13	1	1.22418	0.91603	10	2	3
i2	19.9177	0.03	0.13	1	2.58494	0.9177	10	2	3
i2	19.91952	0.03	0.13	1	1.91388	0.91952	10	2	3
i2	19.92077	0.03	0.13	1	1.45175	0.92077	10	2	3
i2	19.92211	0.03	0.13	1	1.97433	0.92211	10	2	3
i2	19.92354	0.03	0.13	1	1.01896	0.92354	10	2	3
i2	19.92531	0.03	0.13	1	2.36444	0.92531	10	2	3
i2	19.92646	0.03	0.13	1	2.18478	0.92646	10	2	3
i2	19.92769	0.03	0.13	1	2.12027	0.92769	10	2	3
i2	19.9294	0.03	0.13	1	2.28993	0.9294	10	2	3
i2	19.93099	0.03	0.13	1	1.88818	0.93099	10	2	3
i2	19.93248	0.03	0.13	1	1.7897	0.93248	10	2	3
i2	19.93357	0.03	0.13	1	1.05688	0.93357	10	2	3
i2	19.93521	0.03	0.13	1	1.53313	0.93521	10	2	3
i2	19.93648	0.03	0.13	1	2.06045	0.93648	10	2	3
i2	19.9375	0.03	0.13	1	1.85578	0.9375	10	2	3
i2	19.93865	0.03	0.13	1	1.4647	0.93865	10	2	3
i2	19.93983	0.03	0.13	1	1.23561	0.93983	10	2	3
i2	19.94097	0.03	0.13	1	2.66763	0.94097	10	2	3
i2	19.9422	0.03	0.13	1	1.03449	0.9422	10	2	3
i2	19.94387	0.03	0.13	1	2.17679	0.94387	10	2	3
i2	19.94537	0.03	0.13	1	1.28029	0.94537	10	2	3
i2	19.9466	0.03	0.13	1	1.91493	0.9466	10	2	3
i2	19.94797	0.03	0.13	1	1.39566	0.94797	10	2	3
i2	19.94912	0.03	0.13	1	1.32528	0.94912	10	2	3
i2	19.95019	0.03	0.13	1	2.89811	0.95019	10	2	3
i2	19.95128	0.03	0.13	1	1.2107	0.95128	10	2	3
i2	19.95279	0.03	0.13	1	2.36462	0.95279	10	2	3
i2	19.95453	0.03	0.13	1	1.97771	0.95453	10	2	3
i2	19.95584	0.03	0.13	1	1.67824	0.95584	10	2	3
i2	19.95759	0.03	0.13	1	1.49764	0.95759	10	2	3
i2	19.95904	0.03	0.13	1	1.21156	0.95904	10	2	3
i2	19.96073	0.03	0.13	1	2.04681	0.96073	10	2	3
i2	19.96209	0.03	0.13	1	1.92091	0.96209	10	2	3
i2	19.9632	0.03	0.13	1	1.27691	0.9632	10	2	3
i2	19.96465	0.03	0.13	1	1.82548	0.96465	10	2	3
i2	19.96569	0.03	0.13	1	1.73738	0.96569	10	2	3

i2	19.96679	0.03	0.13	1	2.21937	0.96679	10	2	3
i2	19.96781	0.03	0.13	1	1.22471	0.96781	10	2	3
i2	19.96961	0.03	0.13	1	2.32957	0.96961	10	2	3
i2	19.9714	0.03	0.13	1	2.03448	0.9714	10	2	3
i2	19.97254	0.03	0.13	1	2.18098	0.97254	10	2	3
i2	19.97392	0.03	0.13	1	2.12711	0.97392	10	2	3
i2	19.97504	0.03	0.13	1	1.46104	0.97504	10	2	3
i2	19.97702	0.03	0.13	1	1.45179	0.97702	10	2	3
i2	19.97839	0.03	0.13	1	1.23888	0.97839	10	2	3
i2	19.98018	0.03	0.13	1	2.24666	0.98018	10	2	3
i2	19.98177	0.03	0.13	1	2.72785	0.98177	10	2	3
i2	19.98312	0.03	0.13	1	1.07831	0.98312	10	2	3
i2	19.98432	0.03	0.13	1	1.79017	0.98432	10	2	3
i2	19.98535	0.03	0.13	1	2.40769	0.98535	10	2	3
i2	19.98692	0.03	0.13	1	1.59561	0.98692	10	2	3
i2	19.98828	0.03	0.13	1	1.33854	0.98828	10	2	3
i2	19.98963	0.03	0.13	1	1.80427	0.98963	10	2	3
i2	19.9908	0.03	0.13	1	2.58691	0.9908	10	2	3
i2	19.99219	0.03	0.13	1	1.25097	0.99219	10	2	3
i2	19.99403	0.03	0.13	1	1.48929	0.99403	10	2	3
i2	19.99513	0.03	0.13	1	2.03785	0.99513	10	2	3
i2	19.99709	0.03	0.13	1	2.61884	0.99709	10	2	3
i2	19.99828	0.03	0.13	1	1.2887	0.99828	10	2	3
i2	19.99997	0.03	0.13	1	2.39562	0.99997	10	2	3
i2	20.00124	0.03	0.13	1	2.2557	0.00124	10	2	3
i2	20.00274	0.03	0.13	1	2.22239	0.00274	10	2	3
i2	20.00458	0.03	0.13	1	1.30439	0.00458	10	2	3
i2	20.00566	0.03	0.13	1	2.1206	0.00566	10	2	3
i2	20.00707	0.03	0.13	1	1.44469	0.00707	10	2	3
i2	20.00843	0.03	0.13	1	2.48411	0.00843	10	2	3
i2	20.01007	0.03	0.13	1	1.00357	0.01007	10	2	3
i2	20.01138	0.03	0.13	1	1.77526	0.01138	10	2	3
i2	20.01313	0.03	0.13	1	2.3283	0.01313	10	2	3
i2	20.01415	0.03	0.13	1	1.10431	0.01415	10	2	3
i2	20.01537	0.03	0.13	1	1.90409	0.01537	10	2	3
i2	20.01675	0.03	0.13	1	2.5103	0.01675	10	2	3
i2	20.01845	0.03	0.13	1	1.28643	0.01845	10	2	3
i2	20.01981	0.03	0.13	1	2.28515	0.01981	10	2	3
i2	20.02133	0.03	0.13	1	1.35773	0.02133	10	2	3
i2	20.02282	0.03	0.13	1	1.95664	0.02282	10	2	3
i2	20.02421	0.03	0.13	1	1.23816	0.02421	10	2	3
i2	20.02537	0.03	0.13	1	1.228	0.02537	10	2	3
i2	20.02657	0.03	0.13	1	1.13885	0.02657	10	2	3
i2	20.02816	0.03	0.13	1	1.26442	0.02816	10	2	3
i2	20.02989	0.03	0.13	1	1.5626	0.02989	10	2	3
i2	20.03172	0.03	0.13	1	1.48568	0.03172	10	2	3
i2	20.03359	0.03	0.13	1	1.5283	0.03359	10	2	3
i2	20.03456	0.03	0.13	1	1.74754	0.03456	10	2	3
i2	20.03611	0.03	0.13	1	1.35526	0.03611	10	2	3
i2	20.03732	0.03	0.13	1	2.62143	0.03732	10	2	3
i2	20.03858	0.03	0.13	1	2.24938	0.03858	10	2	3
i2	20.0399	0.03	0.13	1	2.09358	0.0399	10	2	3
i2	20.04129	0.03	0.13	1	1.74427	0.04129	10	2	3
i2	20.04266	0.03	0.13	1	1.57226	0.04266	10	2	3
i2	20.04396	0.03	0.13	1	2.67422	0.04396	10	2	3
i2	20.04501	0.03	0.13	1	1.60752	0.04501	10	2	3
i2	20.04678	0.03	0.13	1	1.51715	0.04678	10	2	3
i2	20.04849	0.03	0.13	1	1.28476	0.04849	10	2	3
i2	20.04956	0.03	0.13	1	1.92609	0.04956	10	2	3
i2	20.05081	0.03	0.13	1	1.96304	0.05081	10	2	3
i2	20.05211	0.03	0.13	1	2.21625	0.05211	10	2	3
i2	20.05326	0.03	0.13	1	1.65275	0.05326	10	2	3
i2	20.05473	0.03	0.13	1	2.70883	0.05473	10	2	3
i2	20.05625	0.03	0.13	1	2.50813	0.05625	10	2	3
i2	20.05746	0.03	0.13	1	2.95966	0.05746	10	2	3
i2	20.05905	0.03	0.13	1	1.11331	0.05905	10	2	3
i2	20.06008	0.03	0.13	1	1.14569	0.06008	10	2	3
i2	20.06151	0.03	0.13	1	2.91871	0.06151	10	2	3

i2	20.06245	0.03	0.13	1	2.14802	0.06245	10	2	3
i2	20.06347	0.03	0.13	1	2.8603	0.06347	10	2	3
i2	20.06469	0.03	0.13	1	2.57515	0.06469	10	2	3
i2	20.0662	0.03	0.13	1	1.69423	0.0662	10	2	3
i2	20.06794	0.03	0.13	1	2.91747	0.06794	10	2	3
i2	20.06985	0.03	0.13	1	2.1946	0.06985	10	2	3
i2	20.07102	0.03	0.13	1	2.51624	0.07102	10	2	3
i2	20.07214	0.03	0.13	1	2.87567	0.07214	10	2	3
i2	20.07312	0.03	0.13	1	1.52278	0.07312	10	2	3
i2	20.07405	0.03	0.13	1	1.88963	0.07405	10	2	3
i2	20.07552	0.03	0.13	1	2.4046	0.07552	10	2	3
i2	20.07728	0.03	0.13	1	1.7271	0.07728	10	2	3
i2	20.07878	0.03	0.13	1	1.29117	0.07878	10	2	3
i2	20.07975	0.03	0.13	1	1.79469	0.07975	10	2	3
i2	20.08117	0.03	0.13	1	2.69572	0.08117	10	2	3
i2	20.08265	0.03	0.13	1	1.16458	0.08265	10	2	3
i2	20.08378	0.03	0.13	1	1.08169	0.08378	10	2	3
i2	20.08558	0.03	0.13	1	1.33533	0.08558	10	2	3
i2	20.08662	0.03	0.13	1	1.23724	0.08662	10	2	3
i2	20.08772	0.03	0.13	1	2.46121	0.08772	10	2	3
i2	20.0891	0.03	0.13	1	1.63756	0.0891	10	2	3
i2	20.09013	0.03	0.13	1	1.03704	0.09013	10	2	3
i2	20.09163	0.03	0.13	1	1.86351	0.09163	10	2	3
i2	20.0929	0.03	0.13	1	2.58787	0.0929	10	2	3
i2	20.09386	0.03	0.13	1	2.13421	0.09386	10	2	3
i2	20.09531	0.03	0.13	1	1.94702	0.09531	10	2	3
i2	20.09713	0.03	0.13	1	1.38136	0.09713	10	2	3
i2	20.09864	0.03	0.13	1	1.82253	0.09864	10	2	3
i2	20.1	0.03	0.13	1	1.68659	0.1	10	2	3
i2	20.10118	0.03	0.13	1	2.10462	0.10118	10	2	3
i2	20.10291	0.03	0.13	1	1.69508	0.10291	10	2	3
i2	20.10469	0.03	0.13	1	1.96795	0.10469	10	2	3
i2	20.10588	0.03	0.13	1	2.77953	0.10588	10	2	3
i2	20.10728	0.03	0.13	1	1.51474	0.10728	10	2	3
i2	20.1085	0.03	0.13	1	1.95511	0.1085	10	2	3
i2	20.10973	0.03	0.13	1	1.75732	0.10973	10	2	3
i2	20.11095	0.03	0.13	1	1.85926	0.11095	10	2	3
i2	20.11264	0.03	0.13	1	1.18415	0.11264	10	2	3
i2	20.11377	0.03	0.13	1	2.16063	0.11377	10	2	3
i2	20.11507	0.03	0.13	1	1.24616	0.11507	10	2	3
i2	20.11617	0.03	0.13	1	1.40967	0.11617	10	2	3
i2	20.11773	0.03	0.13	1	1.92244	0.11773	10	2	3
i2	20.11866	0.03	0.13	1	2.94395	0.11866	10	2	3
i2	20.1198	0.03	0.13	1	1.72718	0.1198	10	2	3
i2	20.12085	0.03	0.13	1	2.19414	0.12085	10	2	3
i2	20.12231	0.03	0.13	1	2.76581	0.12231	10	2	3
i2	20.1236	0.03	0.13	1	2.67019	0.1236	10	2	3
i2	20.12494	0.03	0.13	1	2.26243	0.12494	10	2	3
i2	20.12641	0.03	0.13	1	2.87269	0.12641	10	2	3
i2	20.12729	0.03	0.13	1	1.2839	0.12729	10	2	3
i2	20.12817	0.03	0.13	1	2.71963	0.12817	10	2	3
i2	20.12936	0.03	0.13	1	1.51699	0.12936	10	2	3
i2	20.13027	0.03	0.13	1	1.95216	0.13027	10	2	3
i2	20.13191	0.03	0.13	1	1.45132	0.13191	10	2	3
i2	20.13282	0.03	0.13	1	2.14829	0.13282	10	2	3
i2	20.13442	0.03	0.13	1	1.5025	0.13442	10	2	3
i2	20.13593	0.03	0.13	1	1.76383	0.13593	10	2	3
i2	20.13689	0.03	0.13	1	1.33854	0.13689	10	2	3
i2	20.13836	0.03	0.13	1	1.56111	0.13836	10	2	3
i2	20.13949	0.03	0.13	1	1.38291	0.13949	10	2	3
i2	20.14037	0.03	0.13	1	2.05244	0.14037	10	2	3
i2	20.14159	0.03	0.13	1	2.96557	0.14159	10	2	3
i2	20.14313	0.03	0.13	1	1.69379	0.14313	10	2	3
i2	20.14423	0.03	0.13	1	1.15598	0.14423	10	2	3
i2	20.14555	0.03	0.13	1	2.09769	0.14555	10	2	3
i2	20.14723	0.03	0.13	1	2.11382	0.14723	10	2	3
i2	20.14888	0.03	0.13	1	1.91511	0.14888	10	2	3
i2	20.15006	0.03	0.13	1	1.1381	0.15006	10	2	3

i2	20.15136	0.03	0.13	1	1.2472	0.15136	10	2	3
i2	20.15248	0.03	0.13	1	2.67578	0.15248	10	2	3
i2	20.15358	0.03	0.13	1	1.03424	0.15358	10	2	3
i2	20.15498	0.03	0.13	1	1.50919	0.15498	10	2	3
i2	20.15629	0.03	0.13	1	2.7109	0.15629	10	2	3
i2	20.1581	0.03	0.13	1	1.29532	0.1581	10	2	3
i2	20.15925	0.03	0.13	1	1.61202	0.15925	10	2	3
i2	20.16028	0.03	0.13	1	2.20595	0.16028	10	2	3
i2	20.16133	0.03	0.13	1	1.89928	0.16133	10	2	3
i2	20.16241	0.03	0.13	1	2.446	0.16241	10	2	3
i2	20.16373	0.03	0.13	1	2.65222	0.16373	10	2	3
i2	20.16546	0.03	0.13	1	2.32822	0.16546	10	2	3
i2	20.16709	0.03	0.13	1	1.11122	0.16709	10	2	3
i2	20.16795	0.03	0.13	1	2.36219	0.16795	10	2	3
i2	20.16933	0.03	0.13	1	2.01732	0.16933	10	2	3
i2	20.17021	0.03	0.13	1	2.24246	0.17021	10	2	3
i2	20.17126	0.03	0.13	1	1.10025	0.17126	10	2	3
i2	20.17211	0.03	0.13	1	1.66563	0.17211	10	2	3
i2	20.17294	0.03	0.13	1	2.14185	0.17294	10	2	3
i2	20.17417	0.03	0.13	1	2.45858	0.17417	10	2	3
i2	20.17559	0.03	0.13	1	2.35486	0.17559	10	2	3
i2	20.17651	0.03	0.13	1	2.41553	0.17651	10	2	3
i2	20.17779	0.03	0.13	1	1.14274	0.17779	10	2	3
i2	20.17919	0.03	0.13	1	1.50322	0.17919	10	2	3
i2	20.18005	0.03	0.13	1	2.96007	0.18005	10	2	3
i2	20.18126	0.03	0.13	1	2.42576	0.18126	10	2	3
i2	20.18209	0.03	0.13	1	2.21462	0.18209	10	2	3
i2	20.18366	0.03	0.13	1	1.76396	0.18366	10	2	3
i2	20.185	0.03	0.13	1	1.14535	0.185	10	2	3
i2	20.18649	0.03	0.13	1	2.17209	0.18649	10	2	3
i2	20.1879	0.03	0.13	1	1.65183	0.1879	10	2	3
i2	20.18916	0.03	0.13	1	2.76005	0.18916	10	2	3
i2	20.19061	0.03	0.13	1	2.17514	0.19061	10	2	3
i2	20.19217	0.03	0.13	1	1.2744	0.19217	10	2	3
i2	20.19306	0.03	0.13	1	1.85602	0.19306	10	2	3
i2	20.19428	0.03	0.13	1	1.09143	0.19428	10	2	3
i2	20.196	0.03	0.13	1	1.47852	0.196	10	2	3
i2	20.19772	0.03	0.13	1	1.26672	0.19772	10	2	3
i2	20.19907	0.03	0.13	1	2.47311	0.19907	10	2	3
i2	20.20038	0.03	0.13	1	1.17459	0.20038	10	2	3
i2	20.20118	0.03	0.13	1	1.34967	0.20118	10	2	3
i2	20.2027	0.03	0.13	1	2.63622	0.2027	10	2	3
i2	20.20387	0.03	0.13	1	2.70509	0.20387	10	2	3
i2	20.20526	0.03	0.13	1	2.71481	0.20526	10	2	3
i2	20.20643	0.03	0.13	1	2.75359	0.20643	10	2	3
i2	20.20749	0.03	0.13	1	1.00747	0.20749	10	2	3
i2	20.20899	0.03	0.13	1	1.27315	0.20899	10	2	3
i2	20.21045	0.03	0.13	1	2.90675	0.21045	10	2	3
i2	20.21182	0.03	0.13	1	1.86579	0.21182	10	2	3
i2	20.21285	0.03	0.13	1	2.70895	0.21285	10	2	3
i2	20.21449	0.03	0.13	1	1.53849	0.21449	10	2	3
i2	20.21616	0.03	0.13	1	2.48647	0.21616	10	2	3
i2	20.21753	0.03	0.13	1	1.98346	0.21753	10	2	3
i2	20.21855	0.03	0.13	1	2.86521	0.21855	10	2	3
i2	20.21952	0.03	0.13	1	1.99955	0.21952	10	2	3
i2	20.22114	0.03	0.13	1	1.53909	0.22114	10	2	3
i2	20.22198	0.03	0.13	1	1.83374	0.22198	10	2	3
i2	20.22304	0.03	0.13	1	1.61985	0.22304	10	2	3
i2	20.22401	0.03	0.13	1	1.72015	0.22401	10	2	3
i2	20.22531	0.03	0.13	1	2.13737	0.22531	10	2	3
i2	20.22683	0.03	0.13	1	1.91123	0.22683	10	2	3
i2	20.22791	0.03	0.13	1	1.07125	0.22791	10	2	3
i2	20.22887	0.03	0.13	1	1.78707	0.22887	10	2	3
i2	20.22977	0.03	0.13	1	2.57681	0.22977	10	2	3
i2	20.23057	0.03	0.13	1	1.63994	0.23057	10	2	3
i2	20.23201	0.03	0.13	1	1.39178	0.23201	10	2	3
i2	20.23308	0.03	0.13	1	2.12992	0.23308	10	2	3
i2	20.23389	0.03	0.13	1	1.95667	0.23389	10	2	3

i2	20.23511	0.03	0.13	1	2.36823	0.23511	10	2	3
i2	20.23611	0.03	0.13	1	2.50028	0.23611	10	2	3
i2	20.23734	0.03	0.13	1	1.75451	0.23734	10	2	3
i2	20.23811	0.03	0.13	1	2.41025	0.23811	10	2	3
i2	20.23911	0.03	0.13	1	1.66665	0.23911	10	2	3
i2	20.24046	0.03	0.13	1	1.65716	0.24046	10	2	3
i2	20.24189	0.03	0.13	1	2.17495	0.24189	10	2	3
i2	20.24338	0.03	0.13	1	1.16326	0.24338	10	2	3
i2	20.24422	0.03	0.13	1	2.45551	0.24422	10	2	3
i2	20.24553	0.03	0.13	1	2.9599	0.24553	10	2	3
i2	20.24681	0.03	0.13	1	1.34333	0.24681	10	2	3
i2	20.24785	0.03	0.13	1	1.31702	0.24785	10	2	3
i2	20.24905	0.03	0.13	1	1.31357	0.24905	10	2	3
i2	20.25075	0.03	0.13	1	2.56389	0.25075	10	2	3
i2	20.25154	0.03	0.13	1	2.10363	0.25154	10	2	3
i2	20.25245	0.03	0.13	1	2.24391	0.25245	10	2	3
i2	20.25377	0.03	0.13	1	1.26683	0.25377	10	2	3
i2	20.25512	0.03	0.13	1	1.73647	0.25512	10	2	3
i2	20.25644	0.03	0.13	1	1.29812	0.25644	10	2	3
i2	20.25738	0.03	0.13	1	2.70542	0.25738	10	2	3
i2	20.25838	0.03	0.13	1	1.60914	0.25838	10	2	3
i2	20.25928	0.03	0.13	1	1.27814	0.25928	10	2	3
i2	20.2602	0.03	0.13	1	2.51912	0.2602	10	2	3
i2	20.26133	0.03	0.13	1	1.15154	0.26133	10	2	3
i2	20.2625	0.03	0.13	1	2.34115	0.2625	10	2	3
i2	20.26336	0.03	0.13	1	2.69008	0.26336	10	2	3
i2	20.26419	0.03	0.13	1	1.60152	0.26419	10	2	3
i2	20.26512	0.03	0.13	1	1.86859	0.26512	10	2	3
i2	20.26611	0.03	0.13	1	2.39132	0.26611	10	2	3
i2	20.26742	0.03	0.13	1	1.45288	0.26742	10	2	3
i2	20.26837	0.03	0.13	1	1.65034	0.26837	10	2	3
i2	20.26918	0.03	0.13	1	2.30033	0.26918	10	2	3
i2	20.27011	0.03	0.13	1	2.84868	0.27011	10	2	3
i2	20.27117	0.03	0.13	1	1.46912	0.27117	10	2	3
i2	20.27243	0.03	0.13	1	2.56974	0.27243	10	2	3
i2	20.27333	0.03	0.13	1	2.74238	0.27333	10	2	3
i2	20.27472	0.03	0.13	1	2.11826	0.27472	10	2	3
i2	20.27561	0.03	0.13	1	1.52717	0.27561	10	2	3
i2	20.2765	0.03	0.13	1	1.99881	0.2765	10	2	3
i2	20.27802	0.03	0.13	1	2.31283	0.27802	10	2	3
i2	20.27924	0.03	0.13	1	1.79791	0.27924	10	2	3
i2	20.28046	0.03	0.13	1	1.47501	0.28046	10	2	3
i2	20.28154	0.03	0.13	1	2.37867	0.28154	10	2	3
i2	20.28245	0.03	0.13	1	2.91249	0.28245	10	2	3
i2	20.28349	0.03	0.13	1	1.45918	0.28349	10	2	3
i2	20.28508	0.03	0.13	1	2.4552	0.28508	10	2	3
i2	20.2858	0.03	0.13	1	1.21566	0.2858	10	2	3
i2	20.28667	0.03	0.13	1	1.53791	0.28667	10	2	3
i2	20.28756	0.03	0.13	1	1.42867	0.28756	10	2	3
i2	20.28884	0.03	0.13	1	1.0934	0.28884	10	2	3
i2	20.29024	0.03	0.13	1	1.59365	0.29024	10	2	3
i2	20.29143	0.03	0.13	1	1.30855	0.29143	10	2	3
i2	20.29245	0.03	0.13	1	1.10061	0.29245	10	2	3
i2	20.29357	0.03	0.13	1	1.68673	0.29357	10	2	3
i2	20.2952	0.03	0.13	1	1.54732	0.2952	10	2	3
i2	20.29632	0.03	0.13	1	1.58978	0.29632	10	2	3
i2	20.29723	0.03	0.13	1	1.45039	0.29723	10	2	3
i2	20.29823	0.03	0.13	1	2.7389	0.29823	10	2	3
i2	20.29904	0.03	0.13	1	2.58574	0.29904	10	2	3
i2	20.30033	0.03	0.13	1	2.88892	0.30033	10	2	3
i2	20.30153	0.03	0.13	1	1.48098	0.30153	10	2	3
i2	20.30317	0.03	0.13	1	2.29873	0.30317	10	2	3
i2	20.30437	0.03	0.13	1	1.27828	0.30437	10	2	3
i2	20.3055	0.03	0.13	1	1.56709	0.3055	10	2	3
i2	20.30632	0.03	0.13	1	1.86552	0.30632	10	2	3
i2	20.30715	0.03	0.13	1	2.64876	0.30715	10	2	3
i2	20.30866	0.03	0.13	1	1.32321	0.30866	10	2	3
i2	20.30995	0.03	0.13	1	1.30862	0.30995	10	2	3

i2	20.31085	0.03	0.13	1	2.65361	0.31085	10	2	3
i2	20.31222	0.03	0.13	1	2.96059	0.31222	10	2	3
i2	20.3136	0.03	0.13	1	1.16171	0.3136	10	2	3
i2	20.3149	0.03	0.13	1	1.93171	0.3149	10	2	3
i2	20.31576	0.03	0.13	1	1.47167	0.31576	10	2	3
i2	20.31652	0.03	0.13	1	1.92136	0.31652	10	2	3
i2	20.31727	0.03	0.13	1	2.41619	0.31727	10	2	3
i2	20.31829	0.03	0.13	1	2.23094	0.31829	10	2	3
i2	20.31919	0.03	0.13	1	2.4462	0.31919	10	2	3
i2	20.31991	0.03	0.13	1	2.60825	0.31991	10	2	3
i2	20.32139	0.03	0.13	1	1.265	0.32139	10	2	3
i2	20.3226	0.03	0.13	1	1.46248	0.3226	10	2	3
i2	20.32367	0.03	0.13	1	2.14948	0.32367	10	2	3
i2	20.32523	0.03	0.13	1	1.11434	0.32523	10	2	3
i2	20.32624	0.03	0.13	1	1.51995	0.32624	10	2	3
i2	20.32714	0.03	0.13	1	1.52078	0.32714	10	2	3
i2	20.32805	0.03	0.13	1	2.21518	0.32805	10	2	3
i2	20.32921	0.03	0.13	1	1.9516	0.32921	10	2	3
i2	20.32992	0.03	0.13	1	1.41956	0.32992	10	2	3
i2	20.33129	0.03	0.13	1	1.53626	0.33129	10	2	3
i2	20.3326	0.03	0.13	1	1.51712	0.3326	10	2	3
i2	20.33377	0.03	0.13	1	2.89629	0.33377	10	2	3
i2	20.33459	0.03	0.13	1	2.99714	0.33459	10	2	3
i2	20.33563	0.03	0.13	1	1.04078	0.33563	10	2	3
i2	20.33704	0.03	0.13	1	1.32082	0.33704	10	2	3
i2	20.33797	0.03	0.13	1	1.74248	0.33797	10	2	3
i2	20.33901	0.03	0.13	1	2.09327	0.33901	10	2	3
i2	20.33994	0.03	0.13	1	2.84758	0.33994	10	2	3
i2	20.34088	0.03	0.13	1	2.83603	0.34088	10	2	3
i2	20.34172	0.03	0.13	1	1.94939	0.34172	10	2	3
i2	20.34262	0.03	0.13	1	1.13015	0.34262	10	2	3
i2	20.34337	0.03	0.13	1	2.07836	0.34337	10	2	3
i2	20.34481	0.03	0.13	1	1.12428	0.34481	10	2	3
i2	20.34585	0.03	0.13	1	2.20728	0.34585	10	2	3
i2	20.34654	0.03	0.13	1	1.2628	0.34654	10	2	3
i2	20.34747	0.03	0.13	1	2.01371	0.34747	10	2	3
i2	20.34874	0.03	0.13	1	1.51795	0.34874	10	2	3
i2	20.35022	0.03	0.13	1	1.45205	0.35022	10	2	3
i2	20.35091	0.03	0.13	1	1.49366	0.35091	10	2	3
i2	20.35195	0.03	0.13	1	1.43962	0.35195	10	2	3
i2	20.35281	0.03	0.13	1	2.66478	0.35281	10	2	3
i2	20.35389	0.03	0.13	1	2.10632	0.35389	10	2	3
i2	20.35486	0.03	0.13	1	2.26237	0.35486	10	2	3
i2	20.35577	0.03	0.13	1	1.12808	0.35577	10	2	3
i2	20.35656	0.03	0.13	1	2.44396	0.35656	10	2	3
i2	20.35739	0.03	0.13	1	2.9903	0.35739	10	2	3
i2	20.3585	0.03	0.13	1	1.17672	0.3585	10	2	3
i2	20.35975	0.03	0.13	1	2.13104	0.35975	10	2	3
i2	20.36076	0.03	0.13	1	1.33349	0.36076	10	2	3
i2	20.36146	0.03	0.13	1	1.29765	0.36146	10	2	3
i2	20.36266	0.03	0.13	1	1.60304	0.36266	10	2	3
i2	20.3634	0.03	0.13	1	1.70542	0.3634	10	2	3
i2	20.3649	0.03	0.13	1	1.80495	0.3649	10	2	3
i2	20.36588	0.03	0.13	1	2.69558	0.36588	10	2	3
i2	20.36723	0.03	0.13	1	2.91599	0.36723	10	2	3
i2	20.36873	0.03	0.13	1	2.3331	0.36873	10	2	3
i2	20.36989	0.03	0.13	1	1.68472	0.36989	10	2	3
i2	20.37111	0.03	0.13	1	1.88367	0.37111	10	2	3
i2	20.37248	0.03	0.13	1	2.38553	0.37248	10	2	3
i2	20.37362	0.03	0.13	1	1.79803	0.37362	10	2	3
i2	20.37472	0.03	0.13	1	1.85173	0.37472	10	2	3
i2	20.37554	0.03	0.13	1	1.17343	0.37554	10	2	3
i2	20.37691	0.03	0.13	1	1.41295	0.37691	10	2	3
i2	20.37783	0.03	0.13	1	2.1518	0.37783	10	2	3
i2	20.37884	0.03	0.13	1	2.58349	0.37884	10	2	3
i2	20.37972	0.03	0.13	1	2.53155	0.37972	10	2	3
i2	20.38068	0.03	0.13	1	1.80363	0.38068	10	2	3
i2	20.38185	0.03	0.13	1	1.13935	0.38185	10	2	3

i2	20.38254	0.03	0.13	1	1.84283	0.38254	10	2	3
i2	20.38344	0.03	0.13	1	2.54902	0.38344	10	2	3
i2	20.38459	0.03	0.13	1	2.33593	0.38459	10	2	3
i2	20.38576	0.03	0.13	1	1.93833	0.38576	10	2	3
i2	20.38644	0.03	0.13	1	1.23011	0.38644	10	2	3
i2	20.38775	0.03	0.13	1	1.34437	0.38775	10	2	3
i2	20.38882	0.03	0.13	1	1.8236	0.38882	10	2	3
i2	20.3895	0.03	0.13	1	1.49099	0.3895	10	2	3
i2	20.39025	0.03	0.13	1	1.98996	0.39025	10	2	3
i2	20.39104	0.03	0.13	1	1.83016	0.39104	10	2	3
i2	20.39198	0.03	0.13	1	1.29709	0.39198	10	2	3
i2	20.39291	0.03	0.13	1	2.39637	0.39291	10	2	3
i2	20.3939	0.03	0.13	1	1.06536	0.3939	10	2	3
i2	20.39485	0.03	0.13	1	1.80314	0.39485	10	2	3
i2	20.39595	0.03	0.13	1	2.8259	0.39595	10	2	3
i2	20.39693	0.03	0.13	1	2.52372	0.39693	10	2	3
i2	20.39768	0.03	0.13	1	1.32779	0.39768	10	2	3
i2	20.39897	0.03	0.13	1	2.93745	0.39897	10	2	3
i2	20.39978	0.03	0.13	1	1.71071	0.39978	10	2	3
i2	20.40094	0.03	0.13	1	1.93933	0.40094	10	2	3
i2	20.40169	0.03	0.13	1	2.48164	0.40169	10	2	3
i2	20.40251	0.03	0.13	1	2.47141	0.40251	10	2	3
i2	20.40315	0.03	0.13	1	1.20788	0.40315	10	2	3
i2	20.40395	0.03	0.13	1	1.62108	0.40395	10	2	3
i2	20.40477	0.03	0.13	1	1.96565	0.40477	10	2	3
i2	20.4061	0.03	0.13	1	2.53696	0.4061	10	2	3
i2	20.40685	0.03	0.13	1	2.72707	0.40685	10	2	3
i2	20.40813	0.03	0.13	1	2.04233	0.40813	10	2	3
i2	20.40941	0.03	0.13	1	2.9069	0.40941	10	2	3
i2	20.41056	0.03	0.13	1	1.15397	0.41056	10	2	3
i2	20.41195	0.03	0.13	1	1.74797	0.41195	10	2	3
i2	20.41287	0.03	0.13	1	1.19067	0.41287	10	2	3
i2	20.41379	0.03	0.13	1	1.33769	0.41379	10	2	3
i2	20.41471	0.03	0.13	1	1.04996	0.41471	10	2	3
i2	20.4154	0.03	0.13	1	2.10851	0.4154	10	2	3
i2	20.41608	0.03	0.13	1	1.81654	0.41608	10	2	3
i2	20.41692	0.03	0.13	1	1.68411	0.41692	10	2	3
i2	20.4177	0.03	0.13	1	2.82853	0.4177	10	2	3
i2	20.4184	0.03	0.13	1	1.32028	0.4184	10	2	3
i2	20.41909	0.03	0.13	1	1.37776	0.41909	10	2	3
i2	20.42053	0.03	0.13	1	1.58442	0.42053	10	2	3
i2	20.42131	0.03	0.13	1	1.00896	0.42131	10	2	3
i2	20.422	0.03	0.13	1	2.88601	0.422	10	2	3
i2	20.42335	0.03	0.13	1	1.62441	0.42335	10	2	3
i2	20.42448	0.03	0.13	1	2.8677	0.42448	10	2	3
i2	20.42584	0.03	0.13	1	1.36697	0.42584	10	2	3
i2	20.42695	0.03	0.13	1	1.8564	0.42695	10	2	3
i2	20.42813	0.03	0.13	1	1.27213	0.42813	10	2	3
i2	20.4288	0.03	0.13	1	1.60239	0.4288	10	2	3
i2	20.42948	0.03	0.13	1	2.11076	0.42948	10	2	3
i2	20.43023	0.03	0.13	1	1.13257	0.43023	10	2	3
i2	20.43087	0.03	0.13	1	2.80328	0.43087	10	2	3
i2	20.43175	0.03	0.13	1	1.14976	0.43175	10	2	3
i2	20.43323	0.03	0.13	1	1.43577	0.43323	10	2	3
i2	20.43438	0.03	0.13	1	1.16024	0.43438	10	2	3
i2	20.43539	0.03	0.13	1	1.19473	0.43539	10	2	3
i2	20.43601	0.03	0.13	1	1.12778	0.43601	10	2	3
i2	20.43696	0.03	0.13	1	2.93589	0.43696	10	2	3
i2	20.43773	0.03	0.13	1	1.23013	0.43773	10	2	3
i2	20.43898	0.03	0.13	1	1.78419	0.43898	10	2	3
i2	20.43998	0.03	0.13	1	1.45713	0.43998	10	2	3
i2	20.44069	0.03	0.13	1	1.46624	0.44069	10	2	3
i2	20.44209	0.03	0.13	1	2.73227	0.44209	10	2	3
i2	20.44334	0.03	0.13	1	1.52782	0.44334	10	2	3
i2	20.44419	0.03	0.13	1	2.1435	0.44419	10	2	3
i2	20.44499	0.03	0.13	1	1.94283	0.44499	10	2	3
i2	20.44635	0.03	0.13	1	1.21263	0.44635	10	2	3
i2	20.44743	0.03	0.13	1	1.51026	0.44743	10	2	3

i2	20.4482	0.03	0.13	1	2.67132	0.4482	10	2	3
i2	20.44884	0.03	0.13	1	2.57626	0.44884	10	2	3
i2	20.44981	0.03	0.13	1	2.21931	0.44981	10	2	3
i2	20.45115	0.03	0.13	1	1.70646	0.45115	10	2	3
i2	20.45213	0.03	0.13	1	1.97181	0.45213	10	2	3
i2	20.45343	0.03	0.13	1	1.09919	0.45343	10	2	3
i2	20.45438	0.03	0.13	1	1.76761	0.45438	10	2	3
i2	20.45523	0.03	0.13	1	2.18893	0.45523	10	2	3
i2	20.45617	0.03	0.13	1	1.08643	0.45617	10	2	3
i2	20.45739	0.03	0.13	1	1.81336	0.45739	10	2	3
i2	20.45837	0.03	0.13	1	1.06086	0.45837	10	2	3
i2	20.45916	0.03	0.13	1	1.15546	0.45916	10	2	3
i2	20.46007	0.03	0.13	1	2.25228	0.46007	10	2	3
i2	20.46088	0.03	0.13	1	1.77869	0.46088	10	2	3
i2	20.46187	0.03	0.13	1	1.86473	0.46187	10	2	3
i2	20.4628	0.03	0.13	1	2.2489	0.4628	10	2	3
i2	20.46349	0.03	0.13	1	1.40953	0.46349	10	2	3
i2	20.46442	0.03	0.13	1	1.61164	0.46442	10	2	3
i2	20.46574	0.03	0.13	1	1.95739	0.46574	10	2	3
i2	20.46664	0.03	0.13	1	1.11461	0.46664	10	2	3
i2	20.46762	0.03	0.13	1	1.81682	0.46762	10	2	3
i2	20.46846	0.03	0.13	1	2.78745	0.46846	10	2	3
i2	20.46954	0.03	0.13	1	2.65144	0.46954	10	2	3
i2	20.47046	0.03	0.13	1	1.61183	0.47046	10	2	3
i2	20.47131	0.03	0.13	1	2.46088	0.47131	10	2	3
i2	20.47206	0.03	0.13	1	2.15842	0.47206	10	2	3
i2	20.47325	0.03	0.13	1	1.78837	0.47325	10	2	3
i2	20.47435	0.03	0.13	1	2.15189	0.47435	10	2	3
i2	20.47524	0.03	0.13	1	1.37249	0.47524	10	2	3
i2	20.47643	0.03	0.13	1	2.69849	0.47643	10	2	3
i2	20.47729	0.03	0.13	1	1.48368	0.47729	10	2	3
i2	20.4786	0.03	0.13	1	1.84694	0.4786	10	2	3
i2	20.47935	0.03	0.13	1	1.44304	0.47935	10	2	3
i2	20.48029	0.03	0.13	1	1.53483	0.48029	10	2	3
i2	20.48102	0.03	0.13	1	1.23102	0.48102	10	2	3
i2	20.48221	0.03	0.13	1	2.96103	0.48221	10	2	3
i2	20.48296	0.03	0.13	1	2.55736	0.48296	10	2	3
i2	20.48365	0.03	0.13	1	1.17849	0.48365	10	2	3
i2	20.48453	0.03	0.13	1	2.86133	0.48453	10	2	3
i2	20.48548	0.03	0.13	1	1.90238	0.48548	10	2	3
i2	20.48688	0.03	0.13	1	2.35078	0.48688	10	2	3
i2	20.48745	0.03	0.13	1	2.60367	0.48745	10	2	3
i2	20.48806	0.03	0.13	1	1.11636	0.48806	10	2	3
i2	20.48903	0.03	0.13	1	1.82828	0.48903	10	2	3
i2	20.48981	0.03	0.13	1	1.13398	0.48981	10	2	3
i2	20.49051	0.03	0.13	1	2.51781	0.49051	10	2	3
i2	20.49137	0.03	0.13	1	1.58182	0.49137	10	2	3
i2	20.49221	0.03	0.13	1	1.20671	0.49221	10	2	3
i2	20.4935	0.03	0.13	1	1.42794	0.4935	10	2	3
i2	20.49478	0.03	0.13	1	1.91343	0.49478	10	2	3
i2	20.49536	0.03	0.13	1	1.09733	0.49536	10	2	3
i2	20.49668	0.03	0.13	1	1.62491	0.49668	10	2	3
i2	20.49773	0.03	0.13	1	1.14444	0.49773	10	2	3
i2	20.49907	0.03	0.13	1	2.81029	0.49907	10	2	3
i2	20.50003	0.03	0.13	1	2.71067	0.50003	10	2	3
i2	20.5012	0.03	0.13	1	1.79592	0.5012	10	2	3
i2	20.50186	0.03	0.13	1	2.15965	0.50186	10	2	3
i2	20.50244	0.03	0.13	1	1.23643	0.50244	10	2	3
i2	20.50355	0.03	0.13	1	2.78626	0.50355	10	2	3
i2	20.50442	0.03	0.13	1	1.55108	0.50442	10	2	3
i2	20.50536	0.03	0.13	1	1.69172	0.50536	10	2	3
i2	20.50593	0.03	0.13	1	1.25748	0.50593	10	2	3
i2	20.50674	0.03	0.13	1	2.80244	0.50674	10	2	3
i2	20.50767	0.03	0.13	1	1.01637	0.50767	10	2	3
i2	20.50839	0.03	0.13	1	2.20991	0.50839	10	2	3
i2	20.50905	0.03	0.13	1	2.44741	0.50905	10	2	3
i2	20.50976	0.03	0.13	1	2.85488	0.50976	10	2	3
i2	20.51033	0.03	0.13	1	2.13047	0.51033	10	2	3

i2	20.51103	0.03	0.13	1	1.20312	0.51103	10	2	3
i2	20.51246	0.03	0.13	1	2.0624	0.51246	10	2	3
i2	20.51337	0.03	0.13	1	1.8142	0.51337	10	2	3
i2	20.51409	0.03	0.13	1	1.18716	0.51409	10	2	3
i2	20.51528	0.03	0.13	1	1.31742	0.51528	10	2	3
i2	20.51597	0.03	0.13	1	1.15698	0.51597	10	2	3
i2	20.51668	0.03	0.13	1	2.06266	0.51668	10	2	3
i2	20.51743	0.03	0.13	1	1.24273	0.51743	10	2	3
i2	20.518	0.03	0.13	1	1.66821	0.518	10	2	3
i2	20.51871	0.03	0.13	1	1.09929	0.51871	10	2	3
i2	20.51945	0.03	0.13	1	2.43699	0.51945	10	2	3
i2	20.52014	0.03	0.13	1	2.67652	0.52014	10	2	3
i2	20.52081	0.03	0.13	1	2.49651	0.52081	10	2	3
i2	20.52215	0.03	0.13	1	2.65624	0.52215	10	2	3
i2	20.52328	0.03	0.13	1	1.73142	0.52328	10	2	3
i2	20.52382	0.03	0.13	1	2.42765	0.52382	10	2	3
i2	20.52452	0.03	0.13	1	2.83098	0.52452	10	2	3
i2	20.52546	0.03	0.13	1	1.39376	0.52546	10	2	3
i2	20.52676	0.03	0.13	1	2.50942	0.52676	10	2	3
i2	20.528	0.03	0.13	1	2.02806	0.528	10	2	3
i2	20.52872	0.03	0.13	1	1.5662	0.52872	10	2	3
i2	20.53	0.03	0.13	1	2.58029	0.53	10	2	3
i2	20.53139	0.03	0.13	1	1.10645	0.53139	10	2	3
i2	20.5322	0.03	0.13	1	1.82019	0.5322	10	2	3
i2	20.53312	0.03	0.13	1	2.44713	0.53312	10	2	3
i2	20.53381	0.03	0.13	1	2.39151	0.53381	10	2	3
i2	20.53457	0.03	0.13	1	2.10594	0.53457	10	2	3
i2	20.53549	0.03	0.13	1	1.88111	0.53549	10	2	3
i2	20.53616	0.03	0.13	1	1.79353	0.53616	10	2	3
i2	20.53674	0.03	0.13	1	1.38093	0.53674	10	2	3
i2	20.53804	0.03	0.13	1	2.96829	0.53804	10	2	3
i2	20.5392	0.03	0.13	1	2.11848	0.5392	10	2	3
i2	20.54036	0.03	0.13	1	2.33269	0.54036	10	2	3
i2	20.54121	0.03	0.13	1	2.35857	0.54121	10	2	3
i2	20.54196	0.03	0.13	1	1.06924	0.54196	10	2	3
i2	20.54321	0.03	0.13	1	1.07678	0.54321	10	2	3
i2	20.54438	0.03	0.13	1	1.41454	0.54438	10	2	3
i2	20.54519	0.03	0.13	1	2.37648	0.54519	10	2	3
i2	20.5461	0.03	0.13	1	1.27599	0.5461	10	2	3
i2	20.5471	0.03	0.13	1	1.25848	0.5471	10	2	3
i2	20.54813	0.03	0.13	1	2.65248	0.54813	10	2	3
i2	20.54882	0.03	0.13	1	1.87472	0.54882	10	2	3
i2	20.55018	0.03	0.13	1	1.12025	0.55018	10	2	3
i2	20.55088	0.03	0.13	1	1.3651	0.55088	10	2	3
i2	20.55164	0.03	0.13	1	1.10395	0.55164	10	2	3
i2	20.55236	0.03	0.13	1	1.47226	0.55236	10	2	3
i2	20.55327	0.03	0.13	1	1.3883	0.55327	10	2	3
i2	20.5543	0.03	0.13	1	1.70926	0.5543	10	2	3
i2	20.55507	0.03	0.13	1	1.27696	0.55507	10	2	3
i2	20.55616	0.03	0.13	1	2.16469	0.55616	10	2	3
i2	20.55712	0.03	0.13	1	2.11656	0.55712	10	2	3
i2	20.55854	0.03	0.13	1	1.04131	0.55854	10	2	3
i2	20.55928	0.03	0.13	1	2.53843	0.55928	10	2	3
i2	20.55984	0.03	0.13	1	2.15755	0.55984	10	2	3
i2	20.56117	0.03	0.13	1	1.26303	0.56117	10	2	3
i2	20.56248	0.03	0.13	1	2.97411	0.56248	10	2	3
i2	20.5633	0.03	0.13	1	1.70884	0.5633	10	2	3
i2	20.56456	0.03	0.13	1	1.48079	0.56456	10	2	3
i2	20.56538	0.03	0.13	1	1.46305	0.56538	10	2	3
i2	20.56651	0.03	0.13	1	2.74775	0.56651	10	2	3
i2	20.56791	0.03	0.13	1	2.09628	0.56791	10	2	3
i2	20.56876	0.03	0.13	1	1.33552	0.56876	10	2	3
i2	20.56962	0.03	0.13	1	1.0997	0.56962	10	2	3
i2	20.57014	0.03	0.13	1	1.16919	0.57014	10	2	3
i2	20.57095	0.03	0.13	1	1.03359	0.57095	10	2	3
i2	20.57211	0.03	0.13	1	1.4182	0.57211	10	2	3
i2	20.57325	0.03	0.13	1	1.5053	0.57325	10	2	3
i2	20.57413	0.03	0.13	1	1.28725	0.57413	10	2	3

i2	20.57533	0.03	0.13	1	1.84494	0.57533	10	2	3
i2	20.57627	0.03	0.13	1	2.41142	0.57627	10	2	3
i2	20.57681	0.03	0.13	1	1.59371	0.57681	10	2	3
i2	20.57768	0.03	0.13	1	1.415	0.57768	10	2	3
i2	20.57825	0.03	0.13	1	2.72936	0.57825	10	2	3
i2	20.57878	0.03	0.13	1	2.48095	0.57878	10	2	3
i2	20.57964	0.03	0.13	1	1.62168	0.57964	10	2	3
i2	20.58038	0.03	0.13	1	1.47402	0.58038	10	2	3
i2	20.58151	0.03	0.13	1	2.01025	0.58151	10	2	3
i2	20.58263	0.03	0.13	1	1.79377	0.58263	10	2	3
i2	20.58339	0.03	0.13	1	2.09462	0.58339	10	2	3
i2	20.58392	0.03	0.13	1	2.80118	0.58392	10	2	3
i2	20.58499	0.03	0.13	1	1.54045	0.58499	10	2	3
i2	20.58595	0.03	0.13	1	2.46264	0.58595	10	2	3
i2	20.5867	0.03	0.13	1	1.17306	0.5867	10	2	3
i2	20.58759	0.03	0.13	1	2.4706	0.58759	10	2	3
i2	20.58878	0.03	0.13	1	1.69726	0.58878	10	2	3
i2	20.58969	0.03	0.13	1	1.77369	0.58969	10	2	3
i2	20.59048	0.03	0.13	1	1.34447	0.59048	10	2	3
i2	20.59115	0.03	0.13	1	2.59778	0.59115	10	2	3
i2	20.59171	0.03	0.13	1	1.32995	0.59171	10	2	3
i2	20.5924	0.03	0.13	1	1.98896	0.5924	10	2	3
i2	20.5932	0.03	0.13	1	1.13014	0.5932	10	2	3
i2	20.59399	0.03	0.13	1	2.16495	0.59399	10	2	3
i2	20.59499	0.03	0.13	1	2.74126	0.59499	10	2	3
i2	20.59578	0.03	0.13	1	1.90597	0.59578	10	2	3
i2	20.59659	0.03	0.13	1	1.54889	0.59659	10	2	3
i2	20.59763	0.03	0.13	1	2.69186	0.59763	10	2	3
i2	20.59827	0.03	0.13	1	1.83775	0.59827	10	2	3
i2	20.59936	0.03	0.13	1	2.94564	0.59936	10	2	3
i2	20.60007	0.03	0.13	1	1.50387	0.60007	10	2	3
i2	20.60105	0.03	0.13	1	1.22689	0.60105	10	2	3
i2	20.60182	0.03	0.13	1	1.65351	0.60182	10	2	3
i2	20.60269	0.03	0.13	1	1.18869	0.60269	10	2	3
i2	20.60321	0.03	0.13	1	1.81103	0.60321	10	2	3
i2	20.60374	0.03	0.13	1	1.69041	0.60374	10	2	3
i2	20.60478	0.03	0.13	1	1.94546	0.60478	10	2	3
i2	20.6054	0.03	0.13	1	1.81456	0.6054	10	2	3
i2	20.60615	0.03	0.13	1	2.894	0.60615	10	2	3
i2	20.60669	0.03	0.13	1	2.54314	0.60669	10	2	3
i2	20.60741	0.03	0.13	1	1.22081	0.60741	10	2	3
i2	20.60809	0.03	0.13	1	1.79092	0.60809	10	2	3
i2	20.60888	0.03	0.13	1	1.44902	0.60888	10	2	3
i2	20.60989	0.03	0.13	1	2.50488	0.60989	10	2	3
i2	20.61042	0.03	0.13	1	1.13314	0.61042	10	2	3
i2	20.61145	0.03	0.13	1	2.33479	0.61145	10	2	3
i2	20.61221	0.03	0.13	1	1.46633	0.61221	10	2	3
i2	20.61305	0.03	0.13	1	2.60136	0.61305	10	2	3
i2	20.61408	0.03	0.13	1	2.47403	0.61408	10	2	3
i2	20.61527	0.03	0.13	1	1.83977	0.61527	10	2	3
i2	20.61612	0.03	0.13	1	1.874	0.61612	10	2	3
i2	20.61665	0.03	0.13	1	2.64203	0.61665	10	2	3
i2	20.6174	0.03	0.13	1	1.20955	0.6174	10	2	3
i2	20.61826	0.03	0.13	1	1.89121	0.61826	10	2	3
i2	20.61922	0.03	0.13	1	2.26819	0.61922	10	2	3
i2	20.6197	0.03	0.13	1	1.87258	0.6197	10	2	3
i2	20.62051	0.03	0.13	1	1.70554	0.62051	10	2	3
i2	20.6217	0.03	0.13	1	2.1404	0.6217	10	2	3
i2	20.62234	0.03	0.13	1	1.00213	0.62234	10	2	3
i2	20.62296	0.03	0.13	1	2.11331	0.62296	10	2	3
i2	20.62372	0.03	0.13	1	1.03912	0.62372	10	2	3
i2	20.62433	0.03	0.13	1	1.06182	0.62433	10	2	3
i2	20.62508	0.03	0.13	1	1.83149	0.62508	10	2	3
i2	20.62568	0.03	0.13	1	2.27653	0.62568	10	2	3
i2	20.62621	0.03	0.13	1	1.91911	0.62621	10	2	3
i2	20.62696	0.03	0.13	1	1.1031	0.62696	10	2	3
i2	20.62779	0.03	0.13	1	1.89975	0.62779	10	2	3
i2	20.62878	0.03	0.13	1	1.45165	0.62878	10	2	3

i2	20.62953	0.03	0.13	1	1.62405	0.62953	10	2	3
i2	20.63025	0.03	0.13	1	2.64608	0.63025	10	2	3
i2	20.63139	0.03	0.13	1	1.87384	0.63139	10	2	3
i2	20.63191	0.03	0.13	1	2.51953	0.63191	10	2	3
i2	20.63273	0.03	0.13	1	1.61189	0.63273	10	2	3
i2	20.63345	0.03	0.13	1	1.87116	0.63345	10	2	3
i2	20.63438	0.03	0.13	1	1.41416	0.63438	10	2	3
i2	20.63527	0.03	0.13	1	2.73685	0.63527	10	2	3
i2	20.6364	0.03	0.13	1	1.01321	0.6364	10	2	3
i2	20.6373	0.03	0.13	1	1.08659	0.6373	10	2	3
i2	20.63838	0.03	0.13	1	1.4297	0.63838	10	2	3
i2	20.63896	0.03	0.13	1	2.86714	0.63896	10	2	3
i2	20.63986	0.03	0.13	1	1.32253	0.63986	10	2	3
i2	20.64102	0.03	0.13	1	1.33411	0.64102	10	2	3
i2	20.64231	0.03	0.13	1	2.39909	0.64231	10	2	3
i2	20.64283	0.03	0.13	1	2.71004	0.64283	10	2	3
i2	20.64377	0.03	0.13	1	1.35542	0.64377	10	2	3
i2	20.64503	0.03	0.13	1	1.9303	0.64503	10	2	3
i2	20.64595	0.03	0.13	1	2.53276	0.64595	10	2	3
i2	20.64648	0.03	0.13	1	1.34783	0.64648	10	2	3
i2	20.64696	0.03	0.13	1	1.32898	0.64696	10	2	3
i2	20.64756	0.03	0.13	1	1.56041	0.64756	10	2	3
i2	20.64813	0.03	0.13	1	1.7505	0.64813	10	2	3
i2	20.64883	0.03	0.13	1	1.80017	0.64883	10	2	3
i2	20.64973	0.03	0.13	1	1.31046	0.64973	10	2	3
i2	20.65083	0.03	0.13	1	2.08323	0.65083	10	2	3
i2	20.6517	0.03	0.13	1	2.79165	0.6517	10	2	3
i2	20.65265	0.03	0.13	1	2.12397	0.65265	10	2	3
i2	20.65334	0.03	0.13	1	1.83486	0.65334	10	2	3
i2	20.65381	0.03	0.13	1	2.13444	0.65381	10	2	3
i2	20.65515	0.03	0.13	1	2.58375	0.65515	10	2	3
i2	20.6559	0.03	0.13	1	1.33096	0.6559	10	2	3
i2	20.65685	0.03	0.13	1	2.92464	0.65685	10	2	3
i2	20.65753	0.03	0.13	1	2.80332	0.65753	10	2	3
i2	20.65841	0.03	0.13	1	2.1043	0.65841	10	2	3
i2	20.65902	0.03	0.13	1	2.3249	0.65902	10	2	3
i2	20.65994	0.03	0.13	1	1.04296	0.65994	10	2	3
i2	20.66055	0.03	0.13	1	1.43152	0.66055	10	2	3
i2	20.66122	0.03	0.13	1	1.12752	0.66122	10	2	3
i2	20.66174	0.03	0.13	1	1.7558	0.66174	10	2	3
i2	20.66265	0.03	0.13	1	2.37156	0.66265	10	2	3
i2	20.66356	0.03	0.13	1	2.02538	0.66356	10	2	3
i2	20.66442	0.03	0.13	1	1.6887	0.66442	10	2	3
i2	20.66569	0.03	0.13	1	2.74411	0.66569	10	2	3
i2	20.66683	0.03	0.13	1	2.41435	0.66683	10	2	3
i2	20.66761	0.03	0.13	1	2.05535	0.66761	10	2	3
i2	20.66816	0.03	0.13	1	1.42669	0.66816	10	2	3
i2	20.66931	0.03	0.13	1	1.61278	0.66931	10	2	3
i2	20.67018	0.03	0.13	1	1.202	0.67018	10	2	3
i2	20.67095	0.03	0.13	1	2.13181	0.67095	10	2	3
i2	20.67152	0.03	0.13	1	2.04724	0.67152	10	2	3
i2	20.67271	0.03	0.13	1	1.81555	0.67271	10	2	3
i2	20.67326	0.03	0.13	1	1.90287	0.67326	10	2	3
i2	20.67388	0.03	0.13	1	1.63234	0.67388	10	2	3
i2	20.67437	0.03	0.13	1	1.12882	0.67437	10	2	3
i2	20.67557	0.03	0.13	1	1.06402	0.67557	10	2	3
i2	20.6768	0.03	0.13	1	2.7804	0.6768	10	2	3
i2	20.67765	0.03	0.13	1	1.53061	0.67765	10	2	3
i2	20.67828	0.03	0.13	1	1.05777	0.67828	10	2	3
i2	20.67879	0.03	0.13	1	1.62149	0.67879	10	2	3
i2	20.67945	0.03	0.13	1	1.86323	0.67945	10	2	3
i2	20.6804	0.03	0.13	1	1.69117	0.6804	10	2	3
i2	20.68092	0.03	0.13	1	2.00024	0.68092	10	2	3
i2	20.68138	0.03	0.13	1	2.69203	0.68138	10	2	3
i2	20.68225	0.03	0.13	1	2.42202	0.68225	10	2	3
i2	20.68296	0.03	0.13	1	1.76513	0.68296	10	2	3
i2	20.68353	0.03	0.13	1	1.49604	0.68353	10	2	3
i2	20.68434	0.03	0.13	1	2.44644	0.68434	10	2	3

i2	20.6851	0.03	0.13	1	1.78303	0.6851	10	2	3
i2	20.68575	0.03	0.13	1	1.51972	0.68575	10	2	3
i2	20.68655	0.03	0.13	1	2.22227	0.68655	10	2	3
i2	20.68717	0.03	0.13	1	1.76313	0.68717	10	2	3
i2	20.6877	0.03	0.13	1	2.92585	0.6877	10	2	3
i2	20.68872	0.03	0.13	1	1.97037	0.68872	10	2	3
i2	20.68927	0.03	0.13	1	1.40878	0.68927	10	2	3
i2	20.69023	0.03	0.13	1	2.86402	0.69023	10	2	3
i2	20.69084	0.03	0.13	1	2.2541	0.69084	10	2	3
i2	20.6917	0.03	0.13	1	2.60019	0.6917	10	2	3
i2	20.69214	0.03	0.13	1	2.21531	0.69214	10	2	3
i2	20.69305	0.03	0.13	1	1.07525	0.69305	10	2	3
i2	20.69383	0.03	0.13	1	1.83879	0.69383	10	2	3
i2	20.69463	0.03	0.13	1	1.79617	0.69463	10	2	3
i2	20.69532	0.03	0.13	1	1.80414	0.69532	10	2	3
i2	20.69657	0.03	0.13	1	1.38954	0.69657	10	2	3
i2	20.69702	0.03	0.13	1	2.82619	0.69702	10	2	3
i2	20.69771	0.03	0.13	1	1.07162	0.69771	10	2	3
i2	20.69844	0.03	0.13	1	1.19874	0.69844	10	2	3
i2	20.69917	0.03	0.13	1	2.4763	0.69917	10	2	3
i2	20.69995	0.03	0.13	1	1.00251	0.69995	10	2	3
i2	20.70123	0.03	0.13	1	1.48951	0.70123	10	2	3
i2	20.70202	0.03	0.13	1	2.86451	0.70202	10	2	3
i2	20.70252	0.03	0.13	1	2.03732	0.70252	10	2	3
i2	20.70315	0.03	0.13	1	1.90366	0.70315	10	2	3
i2	20.70385	0.03	0.13	1	1.01961	0.70385	10	2	3
i2	20.70468	0.03	0.13	1	2.28318	0.70468	10	2	3
i2	20.70543	0.03	0.13	1	2.64901	0.70543	10	2	3
i2	20.70633	0.03	0.13	1	1.44655	0.70633	10	2	3
i2	20.70678	0.03	0.13	1	2.90988	0.70678	10	2	3
i2	20.70723	0.03	0.13	1	1.93875	0.70723	10	2	3
i2	20.70779	0.03	0.13	1	1.94816	0.70779	10	2	3
i2	20.70847	0.03	0.13	1	1.92275	0.70847	10	2	3
i2	20.70912	0.03	0.13	1	1.62526	0.70912	10	2	3
i2	20.70969	0.03	0.13	1	1.22114	0.70969	10	2	3
i2	20.71065	0.03	0.13	1	2.34438	0.71065	10	2	3
i2	20.71184	0.03	0.13	1	1.03168	0.71184	10	2	3
i2	20.71258	0.03	0.13	1	2.438	0.71258	10	2	3
i2	20.7132	0.03	0.13	1	1.17532	0.7132	10	2	3
i2	20.7138	0.03	0.13	1	1.3011	0.7138	10	2	3
i2	20.71499	0.03	0.13	1	2.14883	0.71499	10	2	3
i2	20.71565	0.03	0.13	1	2.61148	0.71565	10	2	3
i2	20.71675	0.03	0.13	1	2.62616	0.71675	10	2	3
i2	20.71797	0.03	0.13	1	2.7117	0.71797	10	2	3
i2	20.71843	0.03	0.13	1	1.11819	0.71843	10	2	3
i2	20.71919	0.03	0.13	1	1.20602	0.71919	10	2	3
i2	20.71994	0.03	0.13	1	2.90565	0.71994	10	2	3
i2	20.72076	0.03	0.13	1	2.53046	0.72076	10	2	3
i2	20.72119	0.03	0.13	1	1.13746	0.72119	10	2	3
i2	20.72212	0.03	0.13	1	1.45442	0.72212	10	2	3
i2	20.72313	0.03	0.13	1	2.49574	0.72313	10	2	3
i2	20.72359	0.03	0.13	1	2.0879	0.72359	10	2	3
i2	20.72442	0.03	0.13	1	2.37694	0.72442	10	2	3
i2	20.72495	0.03	0.13	1	1.45933	0.72495	10	2	3
i2	20.72601	0.03	0.13	1	2.76772	0.72601	10	2	3
i2	20.72698	0.03	0.13	1	1.42222	0.72698	10	2	3
i2	20.72756	0.03	0.13	1	2.26029	0.72756	10	2	3
i2	20.72817	0.03	0.13	1	2.39988	0.72817	10	2	3
i2	20.72892	0.03	0.13	1	2.50854	0.72892	10	2	3
i2	20.72989	0.03	0.13	1	2.03094	0.72989	10	2	3
i2	20.73098	0.03	0.13	1	2.51355	0.73098	10	2	3
i2	20.73177	0.03	0.13	1	1.15959	0.73177	10	2	3
i2	20.73292	0.03	0.13	1	1.37822	0.73292	10	2	3
i2	20.73339	0.03	0.13	1	1.93736	0.73339	10	2	3
i2	20.7343	0.03	0.13	1	1.52043	0.7343	10	2	3
i2	20.73525	0.03	0.13	1	2.27809	0.73525	10	2	3
i2	20.73604	0.03	0.13	1	2.82512	0.73604	10	2	3
i2	20.73658	0.03	0.13	1	1.24646	0.73658	10	2	3

i2	20.73755	0.03	0.13	1	2.74576	0.73755	10	2	3
i2	20.7387	0.03	0.13	1	2.21234	0.7387	10	2	3
i2	20.7392	0.03	0.13	1	1.81933	0.7392	10	2	3
i2	20.73994	0.03	0.13	1	1.26846	0.73994	10	2	3
i2	20.74067	0.03	0.13	1	1.30651	0.74067	10	2	3
i2	20.74162	0.03	0.13	1	2.84254	0.74162	10	2	3
i2	20.74247	0.03	0.13	1	1.97411	0.74247	10	2	3
i2	20.74292	0.03	0.13	1	1.77468	0.74292	10	2	3
i2	20.74359	0.03	0.13	1	1.60275	0.74359	10	2	3
i2	20.74444	0.03	0.13	1	1.10828	0.74444	10	2	3
i2	20.74485	0.03	0.13	1	1.18364	0.74485	10	2	3
i2	20.74537	0.03	0.13	1	2.99293	0.74537	10	2	3
i2	20.74584	0.03	0.13	1	2.8207	0.74584	10	2	3
i2	20.74677	0.03	0.13	1	1.84519	0.74677	10	2	3
i2	20.74733	0.03	0.13	1	1.00426	0.74733	10	2	3
i2	20.74838	0.03	0.13	1	2.07849	0.74838	10	2	3
i2	20.74951	0.03	0.13	1	2.80305	0.74951	10	2	3
i2	20.7503	0.03	0.13	1	1.92023	0.7503	10	2	3
i2	20.75073	0.03	0.13	1	2.7084	0.75073	10	2	3
i2	20.75123	0.03	0.13	1	1.18114	0.75123	10	2	3
i2	20.75185	0.03	0.13	1	1.30369	0.75185	10	2	3
i2	20.75237	0.03	0.13	1	1.3528	0.75237	10	2	3
i2	20.75335	0.03	0.13	1	2.77561	0.75335	10	2	3
i2	20.75421	0.03	0.13	1	2.36251	0.75421	10	2	3
i2	20.75487	0.03	0.13	1	2.52343	0.75487	10	2	3
i2	20.7558	0.03	0.13	1	2.60652	0.7558	10	2	3
i2	20.75699	0.03	0.13	1	1.05344	0.75699	10	2	3
i2	20.75758	0.03	0.13	1	1.9078	0.75758	10	2	3
i2	20.75852	0.03	0.13	1	2.62435	0.75852	10	2	3
i2	20.75909	0.03	0.13	1	1.62138	0.75909	10	2	3
i2	20.7599	0.03	0.13	1	1.21918	0.7599	10	2	3
i2	20.76056	0.03	0.13	1	2.0928	0.76056	10	2	3
i2	20.76131	0.03	0.13	1	2.99773	0.76131	10	2	3
i2	20.76256	0.03	0.13	1	2.49765	0.76256	10	2	3
i2	20.76339	0.03	0.13	1	1.83698	0.76339	10	2	3
i2	20.76431	0.03	0.13	1	1.23107	0.76431	10	2	3
i2	20.765	0.03	0.13	1	1.02848	0.765	10	2	3
i2	20.76592	0.03	0.13	1	2.79774	0.76592	10	2	3
i2	20.76707	0.03	0.13	1	1.42905	0.76707	10	2	3
i2	20.76775	0.03	0.13	1	2.14757	0.76775	10	2	3
i2	20.76857	0.03	0.13	1	1.92338	0.76857	10	2	3
i2	20.76978	0.03	0.13	1	1.43639	0.76978	10	2	3
i2	20.77048	0.03	0.13	1	1.73994	0.77048	10	2	3
i2	20.77141	0.03	0.13	1	2.22121	0.77141	10	2	3
i2	20.77212	0.03	0.13	1	1.35317	0.77212	10	2	3
i2	20.77286	0.03	0.13	1	2.28121	0.77286	10	2	3
i2	20.77394	0.03	0.13	1	1.54656	0.77394	10	2	3
i2	20.77466	0.03	0.13	1	2.62644	0.77466	10	2	3
i2	20.77536	0.03	0.13	1	2.66531	0.77536	10	2	3
i2	20.77615	0.03	0.13	1	1.7604	0.77615	10	2	3
i2	20.77672	0.03	0.13	1	1.76982	0.77672	10	2	3
i2	20.77751	0.03	0.13	1	2.58654	0.77751	10	2	3
i2	20.77833	0.03	0.13	1	2.4014	0.77833	10	2	3
i2	20.7792	0.03	0.13	1	1.75946	0.7792	10	2	3
i2	20.78014	0.03	0.13	1	1.5325	0.78014	10	2	3
i2	20.78098	0.03	0.13	1	2.75371	0.78098	10	2	3
i2	20.78186	0.03	0.13	1	2.32666	0.78186	10	2	3
i2	20.78253	0.03	0.13	1	1.85282	0.78253	10	2	3
i2	20.78323	0.03	0.13	1	1.73886	0.78323	10	2	3
i2	20.78377	0.03	0.13	1	2.24582	0.78377	10	2	3
i2	20.78495	0.03	0.13	1	2.8712	0.78495	10	2	3
i2	20.78538	0.03	0.13	1	2.30182	0.78538	10	2	3
i2	20.78627	0.03	0.13	1	1.11091	0.78627	10	2	3
i2	20.78706	0.03	0.13	1	2.81681	0.78706	10	2	3
i2	20.78764	0.03	0.13	1	2.76969	0.78764	10	2	3
i2	20.7886	0.03	0.13	1	1.87132	0.7886	10	2	3
i2	20.78934	0.03	0.13	1	1.71049	0.78934	10	2	3
i2	20.79034	0.03	0.13	1	1.42112	0.79034	10	2	3

i2	20.79088	0.03	0.13	1	1.6647	0.79088	10	2	3
i2	20.79137	0.03	0.13	1	2.64846	0.79137	10	2	3
i2	20.79179	0.03	0.13	1	1.3712	0.79179	10	2	3
i2	20.79243	0.03	0.13	1	1.36901	0.79243	10	2	3
i2	20.79287	0.03	0.13	1	2.67819	0.79287	10	2	3
i2	20.79339	0.03	0.13	1	1.89548	0.79339	10	2	3
i2	20.79402	0.03	0.13	1	1.17254	0.79402	10	2	3
i2	20.79455	0.03	0.13	1	1.05754	0.79455	10	2	3
i2	20.79551	0.03	0.13	1	1.28499	0.79551	10	2	3
i2	20.79632	0.03	0.13	1	1.1477	0.79632	10	2	3
i2	20.79681	0.03	0.13	1	1.22549	0.79681	10	2	3
i2	20.79778	0.03	0.13	1	1.14	0.79778	10	2	3
i2	20.7983	0.03	0.13	1	2.38618	0.7983	10	2	3
i2	20.79918	0.03	0.13	1	1.29478	0.79918	10	2	3
i2	20.79978	0.03	0.13	1	2.14278	0.79978	10	2	3
i2	20.80031	0.03	0.13	1	2.98397	0.80031	10	2	3
i2	20.80103	0.03	0.13	1	1.93976	0.80103	10	2	3
i2	20.80159	0.03	0.13	1	1.83132	0.80159	10	2	3
i2	20.80231	0.03	0.13	1	1.47488	0.80231	10	2	3
i2	20.80288	0.03	0.13	1	1.55699	0.80288	10	2	3
i2	20.80366	0.03	0.13	1	1.96184	0.80366	10	2	3
i2	20.80468	0.03	0.13	1	2.76249	0.80468	10	2	3
i2	20.80586	0.03	0.13	1	2.74665	0.80586	10	2	3
i2	20.8063	0.03	0.13	1	1.02334	0.8063	10	2	3
i2	20.80744	0.03	0.13	1	2.14323	0.80744	10	2	3
i2	20.8082	0.03	0.13	1	2.19904	0.8082	10	2	3
i2	20.80874	0.03	0.13	1	1.11794	0.80874	10	2	3
i2	20.8092	0.03	0.13	1	2.01151	0.8092	10	2	3
i2	20.81032	0.03	0.13	1	2.32545	0.81032	10	2	3
i2	20.81076	0.03	0.13	1	1.35363	0.81076	10	2	3
i2	20.81148	0.03	0.13	1	2.07537	0.81148	10	2	3
i2	20.81233	0.03	0.13	1	1.91971	0.81233	10	2	3
i2	20.81334	0.03	0.13	1	1.70211	0.81334	10	2	3
i2	20.81392	0.03	0.13	1	2.37565	0.81392	10	2	3
i2	20.81453	0.03	0.13	1	1.53427	0.81453	10	2	3
i2	20.81509	0.03	0.13	1	1.93826	0.81509	10	2	3
i2	20.81553	0.03	0.13	1	1.97056	0.81553	10	2	3
i2	20.81606	0.03	0.13	1	2.66335	0.81606	10	2	3
i2	20.81726	0.03	0.13	1	1.95426	0.81726	10	2	3
i2	20.81765	0.03	0.13	1	1.0955	0.81765	10	2	3
i2	20.81823	0.03	0.13	1	1.23091	0.81823	10	2	3
i2	20.81881	0.03	0.13	1	2.72058	0.81881	10	2	3
i2	20.81937	0.03	0.13	1	2.43354	0.81937	10	2	3
i2	20.82048	0.03	0.13	1	1.85075	0.82048	10	2	3
i2	20.82104	0.03	0.13	1	1.81792	0.82104	10	2	3
i2	20.82166	0.03	0.13	1	1.84972	0.82166	10	2	3
i2	20.82284	0.03	0.13	1	1.85741	0.82284	10	2	3
i2	20.82346	0.03	0.13	1	1.51727	0.82346	10	2	3
i2	20.824	0.03	0.13	1	1.02481	0.824	10	2	3
i2	20.82458	0.03	0.13	1	2.90923	0.82458	10	2	3
i2	20.82546	0.03	0.13	1	2.03719	0.82546	10	2	3
i2	20.82644	0.03	0.13	1	1.6051	0.82644	10	2	3
i2	20.82699	0.03	0.13	1	1.21908	0.82699	10	2	3
i2	20.8276	0.03	0.13	1	2.23583	0.8276	10	2	3
i2	20.82812	0.03	0.13	1	2.33219	0.82812	10	2	3
i2	20.82883	0.03	0.13	1	2.02788	0.82883	10	2	3
i2	20.82957	0.03	0.13	1	1.77278	0.82957	10	2	3
i2	20.83006	0.03	0.13	1	1.78542	0.83006	10	2	3
i2	20.8306	0.03	0.13	1	1.21816	0.8306	10	2	3
i2	20.83125	0.03	0.13	1	1.73835	0.83125	10	2	3
i2	20.83233	0.03	0.13	1	2.08301	0.83233	10	2	3
i2	20.83329	0.03	0.13	1	2.26094	0.83329	10	2	3
i2	20.83377	0.03	0.13	1	1.19771	0.83377	10	2	3
i2	20.83435	0.03	0.13	1	1.71804	0.83435	10	2	3
i2	20.83501	0.03	0.13	1	1.43579	0.83501	10	2	3
i2	20.83552	0.03	0.13	1	1.85492	0.83552	10	2	3
i2	20.83598	0.03	0.13	1	2.73035	0.83598	10	2	3
i2	20.83641	0.03	0.13	1	2.14068	0.83641	10	2	3

i2	20.83728	0.03	0.13	1	1.68778	0.83728	10	2	3
i2	20.83793	0.03	0.13	1	2.87944	0.83793	10	2	3
i2	20.83854	0.03	0.13	1	1.76351	0.83854	10	2	3
i2	20.83923	0.03	0.13	1	2.24546	0.83923	10	2	3
i2	20.83998	0.03	0.13	1	1.65741	0.83998	10	2	3
i2	20.84046	0.03	0.13	1	1.99484	0.84046	10	2	3
i2	20.84108	0.03	0.13	1	2.27538	0.84108	10	2	3
i2	20.84207	0.03	0.13	1	2.29512	0.84207	10	2	3
i2	20.84296	0.03	0.13	1	1.62576	0.84296	10	2	3
i2	20.84375	0.03	0.13	1	2.09541	0.84375	10	2	3
i2	20.84463	0.03	0.13	1	2.68672	0.84463	10	2	3
i2	20.84512	0.03	0.13	1	2.27993	0.84512	10	2	3
i2	20.84603	0.03	0.13	1	2.34488	0.84603	10	2	3
i2	20.8469	0.03	0.13	1	1.77003	0.8469	10	2	3
i2	20.84756	0.03	0.13	1	2.40385	0.84756	10	2	3
i2	20.84828	0.03	0.13	1	2.42191	0.84828	10	2	3
i2	20.84875	0.03	0.13	1	1.35651	0.84875	10	2	3
i2	20.84919	0.03	0.13	1	1.88763	0.84919	10	2	3
i2	20.84959	0.03	0.13	1	1.68383	0.84959	10	2	3
i2	20.85073	0.03	0.13	1	1.63309	0.85073	10	2	3
i2	20.85131	0.03	0.13	1	1.68166	0.85131	10	2	3
i2	20.85191	0.03	0.13	1	2.82298	0.85191	10	2	3
i2	20.85275	0.03	0.13	1	2.33083	0.85275	10	2	3
i2	20.85321	0.03	0.13	1	2.6222	0.85321	10	2	3
i2	20.85376	0.03	0.13	1	1.75184	0.85376	10	2	3
i2	20.85462	0.03	0.13	1	1.86888	0.85462	10	2	3
i2	20.85514	0.03	0.13	1	2.13391	0.85514	10	2	3
i2	20.85565	0.03	0.13	1	1.26496	0.85565	10	2	3
i2	20.85659	0.03	0.13	1	2.01193	0.85659	10	2	3
i2	20.85724	0.03	0.13	1	1.58774	0.85724	10	2	3
i2	20.85801	0.03	0.13	1	2.91079	0.85801	10	2	3
i2	20.85849	0.03	0.13	1	1.87049	0.85849	10	2	3
i2	20.85922	0.03	0.13	1	2.25764	0.85922	10	2	3
i2	20.85979	0.03	0.13	1	2.03219	0.85979	10	2	3
i2	20.8603	0.03	0.13	1	1.00973	0.8603	10	2	3
i2	20.86113	0.03	0.13	1	2.17988	0.86113	10	2	3
i2	20.86165	0.03	0.13	1	2.516	0.86165	10	2	3
i2	20.86228	0.03	0.13	1	1.74329	0.86228	10	2	3
i2	20.86279	0.03	0.13	1	2.49243	0.86279	10	2	3
i2	20.86387	0.03	0.13	1	2.72168	0.86387	10	2	3
i2	20.86426	0.03	0.13	1	2.47315	0.86426	10	2	3
i2	20.86485	0.03	0.13	1	2.98683	0.86485	10	2	3
i2	20.8659	0.03	0.13	1	2.02085	0.8659	10	2	3
i2	20.86635	0.03	0.13	1	2.80656	0.86635	10	2	3
i2	20.86678	0.03	0.13	1	1.97283	0.86678	10	2	3
i2	20.86738	0.03	0.13	1	1.76611	0.86738	10	2	3
i2	20.86807	0.03	0.13	1	1.22004	0.86807	10	2	3
i2	20.86916	0.03	0.13	1	1.46441	0.86916	10	2	3
i2	20.86985	0.03	0.13	1	1.55088	0.86985	10	2	3
i2	20.87058	0.03	0.13	1	2.05156	0.87058	10	2	3
i2	20.8712	0.03	0.13	1	1.75786	0.8712	10	2	3
i2	20.87227	0.03	0.13	1	1.94251	0.87227	10	2	3
i2	20.87299	0.03	0.13	1	2.28496	0.87299	10	2	3
i2	20.87347	0.03	0.13	1	1.08027	0.87347	10	2	3
i2	20.8739	0.03	0.13	1	1.7487	0.8739	10	2	3
i2	20.87443	0.03	0.13	1	1.9659	0.87443	10	2	3
i2	20.87495	0.03	0.13	1	1.60798	0.87495	10	2	3
i2	20.8757	0.03	0.13	1	1.37244	0.8757	10	2	3
i2	20.87645	0.03	0.13	1	1.79748	0.87645	10	2	3
i2	20.87735	0.03	0.13	1	1.53372	0.87735	10	2	3
i2	20.87824	0.03	0.13	1	1.03102	0.87824	10	2	3
i2	20.87874	0.03	0.13	1	2.44402	0.87874	10	2	3
i2	20.87972	0.03	0.13	1	2.39861	0.87972	10	2	3
i2	20.88026	0.03	0.13	1	1.01987	0.88026	10	2	3
i2	20.88128	0.03	0.13	1	2.45516	0.88128	10	2	3
i2	20.88214	0.03	0.13	1	2.87441	0.88214	10	2	3
i2	20.88292	0.03	0.13	1	2.43688	0.88292	10	2	3
i2	20.88403	0.03	0.13	1	2.43576	0.88403	10	2	3

i2	20.88474	0.03	0.13	1	1.12042	0.88474	10	2	3
i2	20.88511	0.03	0.13	1	2.27757	0.88511	10	2	3
i2	20.88568	0.03	0.13	1	1.62978	0.88568	10	2	3
i2	20.88607	0.03	0.13	1	2.59291	0.88607	10	2	3
i2	20.88664	0.03	0.13	1	1.20939	0.88664	10	2	3
i2	20.88731	0.03	0.13	1	1.74237	0.88731	10	2	3
i2	20.88823	0.03	0.13	1	1.29698	0.88823	10	2	3
i2	20.88879	0.03	0.13	1	1.57352	0.88879	10	2	3
i2	20.88941	0.03	0.13	1	2.05317	0.88941	10	2	3
i2	20.8904	0.03	0.13	1	1.22101	0.8904	10	2	3
i2	20.89116	0.03	0.13	1	1.70958	0.89116	10	2	3
i2	20.89161	0.03	0.13	1	1.10867	0.89161	10	2	3
i2	20.89239	0.03	0.13	1	2.74483	0.89239	10	2	3
i2	20.89278	0.03	0.13	1	2.06877	0.89278	10	2	3
i2	20.89389	0.03	0.13	1	2.59537	0.89389	10	2	3
i2	20.89481	0.03	0.13	1	1.60983	0.89481	10	2	3
i2	20.89563	0.03	0.13	1	1.43822	0.89563	10	2	3
i2	20.89637	0.03	0.13	1	2.26777	0.89637	10	2	3
i2	20.89697	0.03	0.13	1	1.29533	0.89697	10	2	3
i2	20.89758	0.03	0.13	1	1.78463	0.89758	10	2	3
i2	20.8983	0.03	0.13	1	1.14131	0.8983	10	2	3
i2	20.89906	0.03	0.13	1	1.3965	0.89906	10	2	3
i2	20.8998	0.03	0.13	1	1.21655	0.8998	10	2	3
i2	20.90027	0.03	0.13	1	2.62055	0.90027	10	2	3
i2	20.90122	0.03	0.13	1	1.25294	0.90122	10	2	3
i2	20.90172	0.03	0.13	1	2.94039	0.90172	10	2	3
i2	20.90276	0.03	0.13	1	1.63822	0.90276	10	2	3
i2	20.90321	0.03	0.13	1	2.0799	0.90321	10	2	3
i2	20.90384	0.03	0.13	1	1.48895	0.90384	10	2	3
i2	20.90484	0.03	0.13	1	1.99542	0.90484	10	2	3
i2	20.90564	0.03	0.13	1	1.1066	0.90564	10	2	3
i2	20.90599	0.03	0.13	1	2.27462	0.90599	10	2	3
i2	20.90672	0.03	0.13	1	2.28068	0.90672	10	2	3
i2	20.90729	0.03	0.13	1	1.02737	0.90729	10	2	3
i2	20.90818	0.03	0.13	1	1.06444	0.90818	10	2	3
i2	20.90896	0.03	0.13	1	1.49064	0.90896	10	2	3
i2	20.90935	0.03	0.13	1	1.51987	0.90935	10	2	3
i2	20.90989	0.03	0.13	1	2.35116	0.90989	10	2	3
i2	20.9107	0.03	0.13	1	1.27031	0.9107	10	2	3
i2	20.91147	0.03	0.13	1	2.74811	0.91147	10	2	3
i2	20.91194	0.03	0.13	1	1.28484	0.91194	10	2	3
i2	20.91279	0.03	0.13	1	1.05025	0.91279	10	2	3
i2	20.91318	0.03	0.13	1	1.36508	0.91318	10	2	3
i2	20.91357	0.03	0.13	1	2.49984	0.91357	10	2	3
i2	20.91398	0.03	0.13	1	2.35852	0.91398	10	2	3
i2	20.91493	0.03	0.13	1	2.49041	0.91493	10	2	3
i2	20.91533	0.03	0.13	1	2.22657	0.91533	10	2	3
i2	20.91584	0.03	0.13	1	2.58792	0.91584	10	2	3
i2	20.91632	0.03	0.13	1	1.86717	0.91632	10	2	3
i2	20.91673	0.03	0.13	1	1.06446	0.91673	10	2	3
i2	20.91731	0.03	0.13	1	2.76244	0.91731	10	2	3
i2	20.91798	0.03	0.13	1	2.11442	0.91798	10	2	3
i2	20.9186	0.03	0.13	1	2.38204	0.9186	10	2	3
i2	20.91905	0.03	0.13	1	1.80733	0.91905	10	2	3
i2	20.91941	0.03	0.13	1	2.48698	0.91941	10	2	3
i2	20.9204	0.03	0.13	1	2.18442	0.9204	10	2	3
i2	20.92139	0.03	0.13	1	2.54261	0.92139	10	2	3
i2	20.92234	0.03	0.13	1	2.16845	0.92234	10	2	3
i2	20.92326	0.03	0.13	1	1.38742	0.92326	10	2	3
i2	20.92381	0.03	0.13	1	1.59438	0.92381	10	2	3
i2	20.92436	0.03	0.13	1	2.40187	0.92436	10	2	3
i2	20.9251	0.03	0.13	1	1.80754	0.9251	10	2	3
i2	20.92569	0.03	0.13	1	2.54051	0.92569	10	2	3
i2	20.92636	0.03	0.13	1	2.47615	0.92636	10	2	3
i2	20.92696	0.03	0.13	1	1.59752	0.92696	10	2	3
i2	20.92803	0.03	0.13	1	2.10272	0.92803	10	2	3
i2	20.92854	0.03	0.13	1	2.67921	0.92854	10	2	3
i2	20.92909	0.03	0.13	1	1.09336	0.92909	10	2	3

Vita

Young-Hwan Yeo was born in Taegu, Korea on May 6, 1972, the son of Han-Dong Yeo and Hye-Sook Kim. He holds a Bachelor of Music degree in Composition from Kyungpook National University, where he graduated in February, 1999, and a Master of Music degree in Composition from the University of Texas at Austin, received in May 2001. Mr. Yeo is currently an Assistant Professor in Computer Music and Composition at Cheonan University, Korea.

Recently, he was the second winner at the 2001 Young Composers' Competition of the National Association of Composers, USA. His electro-acoustic music has been selected and performed frequently throughout Korea, Europe, and the United States. Mr. Yeo was nominated as a recipient of the 2001-2002 Womack Endowed Presidential Fellowship by the faculty of UT-Austin on October 2001.

Permanent Address: HWASUNG 3RD TOWN #106-906, DONGCHEON-DONG,
BUK-GU, TAEGU 702-797, KOREA

This dissertation was typed by the author.